

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>CONCEPT O /T 89W DOZ [Ø1550mm]</b>		
<b>Number:</b>		<b>Diameter:</b>	1550 mm
<b>Report:</b>	11-11-2016	<b>Length:</b>	0 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	0 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	115 mm
<b>Number:</b>	02	<b>Power:</b>	89,43 W
<b>Lamp flux:</b>	14100,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	11-11-2016 11:10:49	<b>Output ratio:</b>	49,1 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,49 E  
**IES-class:** 47 - 78 - 95 - 100 - 49  
**TM5-class:** BZ4

**Divergences in the plane through maximum intensity:**

	Horizontal	Vertical
<b>One half peak divergence</b>	114,0°	114,2°
<b>Half peak side angle (left)</b>	-57,0°	-57,1°
<b>Half peak side angle (right)</b>	57,0°	57,1°
<b>One tenth peak divergence</b>	162,0°	162,0°
<b>Tenth peak side angle (left)</b>	-81,0°	-81,0°
<b>Tenth peak side angle (right)</b>	81,0°	81,0°

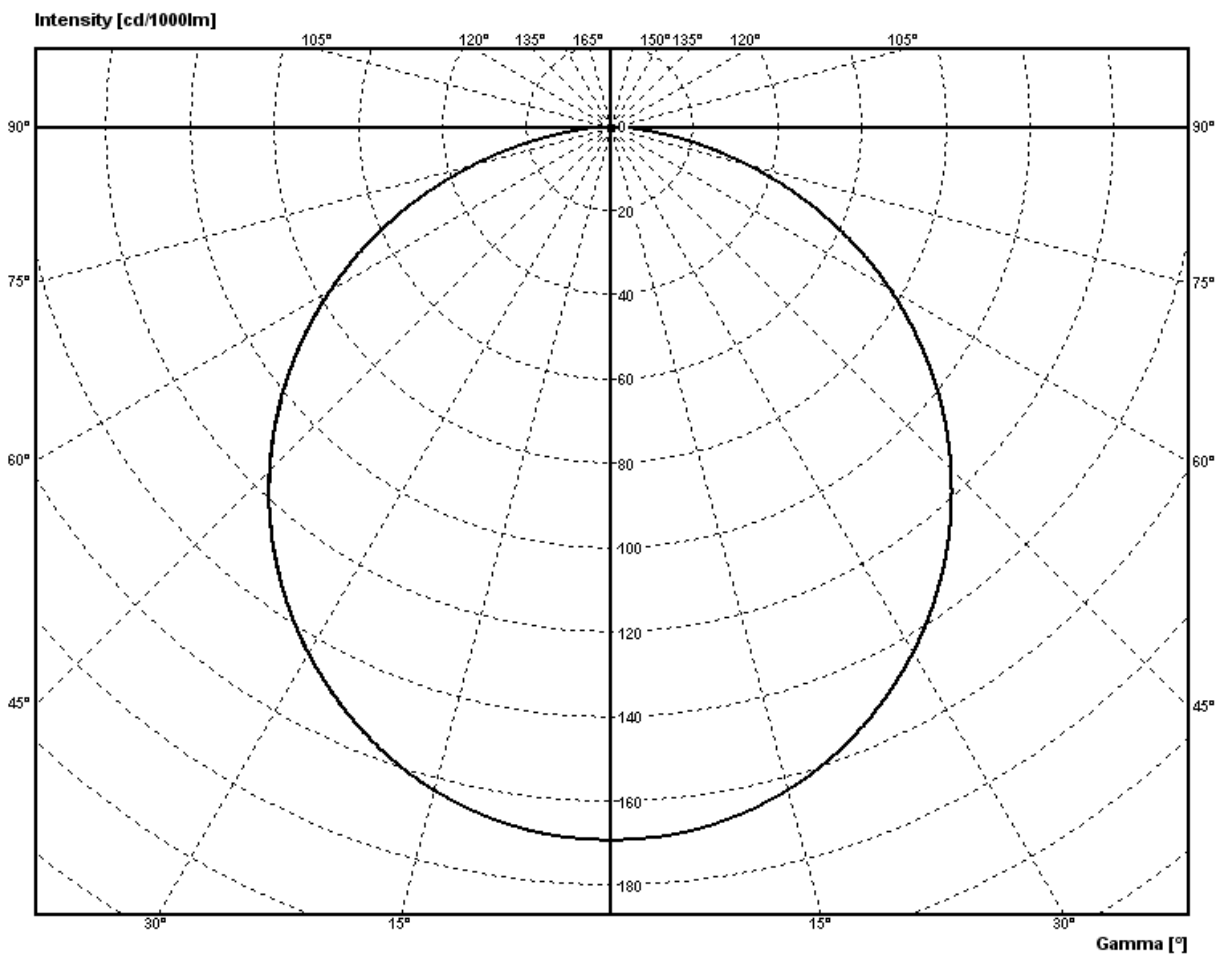
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<b>Gamma:</b>	0,0°	5,0°	10,0°	15,0°	20,0°	25,0°	30,0°	35,0°	40,0°	45,0°
	50,0°	55,0°	60,0°	65,0°	70,0°	75,0°	80,0°	85,0°	90,0°	

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Polar diagram CONCEPT O /T 89W DOZ [Ø1550mm] / Direct in 15° C / 5° G



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**UGR Unified Glare Ratios**

<b>Ceiling reflectance</b>		<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>	<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>
<b>Wall reflectance</b>		<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>
<b>Floor cavity reflectance</b>		<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>
<b>Room dimension</b>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	13,0	14,7	13,4	15,0	15,3	13,0	14,6	13,4	15,0	15,3
<b>2H</b>	<b>3H</b>	14,5	16,0	14,9	16,4	16,7	14,5	16,0	14,9	16,3	16,7
<b>2H</b>	<b>4H</b>	15,1	16,5	15,5	16,8	17,2	15,0	16,5	15,4	16,8	17,2
<b>2H</b>	<b>6H</b>	15,5	16,8	15,9	17,1	17,5	15,4	16,7	15,8	17,1	17,5
<b>2H</b>	<b>8H</b>	15,5	16,8	15,9	17,2	17,6	15,5	16,8	15,9	17,1	17,5
<b>2H</b>	<b>12H</b>	15,6	16,8	16,0	17,2	17,6	15,5	16,7	15,9	17,1	17,5
<b>4H</b>	<b>2H</b>	13,7	15,1	14,1	15,5	15,8	13,7	15,1	14,1	15,4	15,8
<b>4H</b>	<b>3H</b>	15,3	16,6	15,7	16,9	17,3	15,3	16,5	15,7	16,9	17,3
<b>4H</b>	<b>4H</b>	16,1	17,1	16,5	17,5	18,0	16,0	17,1	16,5	17,5	17,9
<b>4H</b>	<b>6H</b>	16,5	17,4	16,9	17,9	18,3	16,4	17,4	16,9	17,8	18,3
<b>4H</b>	<b>8H</b>	16,6	17,5	17,1	17,9	18,4	16,6	17,5	17,0	17,9	18,4
<b>4H</b>	<b>12H</b>	16,7	17,5	17,2	18,0	18,5	16,7	17,5	17,1	17,9	18,4
<b>8H</b>	<b>4H</b>	16,3	17,2	16,7	17,6	18,1	16,2	17,1	16,7	17,6	18,0
<b>8H</b>	<b>6H</b>	16,8	17,5	17,3	18,0	18,5	16,7	17,5	17,2	18,0	18,5
<b>8H</b>	<b>8H</b>	17,0	17,7	17,5	18,2	18,7	17,0	17,6	17,5	18,2	18,6
<b>8H</b>	<b>12H</b>	17,1	17,7	17,7	18,2	18,7	17,1	17,7	17,6	18,2	18,7
<b>12H</b>	<b>4H</b>	16,3	17,1	16,8	17,6	18,1	16,3	17,1	16,7	17,5	18,0
<b>12H</b>	<b>6H</b>	16,9	17,5	17,4	18,0	18,5	16,8	17,5	17,4	18,0	18,5
<b>12H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,7	17,0	17,6	17,6	18,1	18,6

UGR values are corrected for lamp flux of 14100 lm by 9,2

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**Luminance [cd/m<sup>2</sup>] CONCEPT O /T 89W DOZ [Ø1550mm] / Direct in 15° C / 5° G**

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	1441,64	1441,28	1440,74	1439,87	1438,94	1438,23	1439,93	1438,23	1438,94
50,00	1424,15	1421,47	1421,73	1420,61	1419,39	1419,18	1419,15	1419,18	1419,39
55,00	1398,65	1398,12	1396,54	1396,72	1394,12	1394,31	1395,17	1394,31	1394,12
60,00	1367,03	1364,38	1363,88	1362,06	1360,88	1358,83	1361,74	1358,83	1360,88
65,00	1318,41	1316,97	1314,09	1313,07	1311,64	1309,80	1311,15	1309,80	1311,64
70,00	1247,61	1243,50	1243,88	1241,67	1237,47	1236,27	1240,74	1236,27	1237,47
75,00	1140,08	1136,05	1133,73	1130,88	1129,27	1123,75	1133,80	1123,75	1129,27
80,00	986,37	973,84	981,45	966,68	969,49	960,70	977,25	960,70	969,49
85,00	796,15	783,52	808,92	780,99	807,59	777,02	831,81	777,02	807,59

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	1439,87	1440,74	1441,28	1441,64	1441,28	1440,74	1439,87	1438,94	1438,23
50,00	1420,61	1421,73	1421,47	1424,15	1421,47	1421,73	1420,61	1419,39	1419,18
55,00	1396,72	1396,54	1398,12	1398,65	1398,12	1396,54	1396,72	1394,12	1394,31
60,00	1362,06	1363,88	1364,38	1367,03	1364,38	1363,88	1362,06	1360,88	1358,83
65,00	1313,07	1314,09	1316,97	1318,41	1316,97	1314,09	1313,07	1311,64	1309,80
70,00	1241,67	1243,88	1243,50	1247,61	1243,50	1243,88	1241,67	1237,47	1236,27
75,00	1130,88	1133,73	1136,05	1140,08	1136,05	1133,73	1130,88	1129,27	1123,75
80,00	966,68	981,45	973,84	986,37	973,84	981,45	966,68	969,49	960,70
85,00	780,99	808,92	783,52	796,15	783,52	808,92	780,99	807,59	777,02

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	1439,93	1438,23	1438,94	1439,87	1440,74	1441,28
50,00	1419,15	1419,18	1419,39	1420,61	1421,73	1421,47
55,00	1395,17	1394,31	1394,12	1396,72	1396,54	1398,12
60,00	1361,74	1358,83	1360,88	1362,06	1363,88	1364,38
65,00	1311,15	1309,80	1311,64	1313,07	1314,09	1316,97
70,00	1240,74	1236,27	1237,47	1241,67	1243,88	1243,50
75,00	1133,80	1123,75	1129,27	1130,88	1133,73	1136,05
80,00	977,25	960,70	969,49	966,68	981,45	973,84
85,00	831,81	777,02	807,59	780,99	808,92	783,52

**HEADQUARTERS**

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