

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>CONCEPT O 65 D1500 LIGHT+ 840</b>		
<b>Number:</b>	90635L150	<b>Diameter:</b>	1500 mm
<b>Report:</b>	08-06-2021	<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>	85 mm
<b>Number:</b>	1	<b>Power:</b>	90,83 W
<b>Lamp flux:</b>	15400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	08-06-2021 9:45:42	<b>Output ratio:</b>	58,9 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,59 E  
**IES-class:** 49 - 79 - 95 - 100 - 59  
**TM5-class:** BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	104,2°	104,5°
Half peak side angle (left)	-52,1°	-52,2°
Half peak side angle (right)	52,1°	52,2°
One tenth peak divergence	161,2°	161,6°
Tenth peak side angle (left)	-80,6°	-80,8°
Tenth peak side angle (right)	80,6°	80,8°

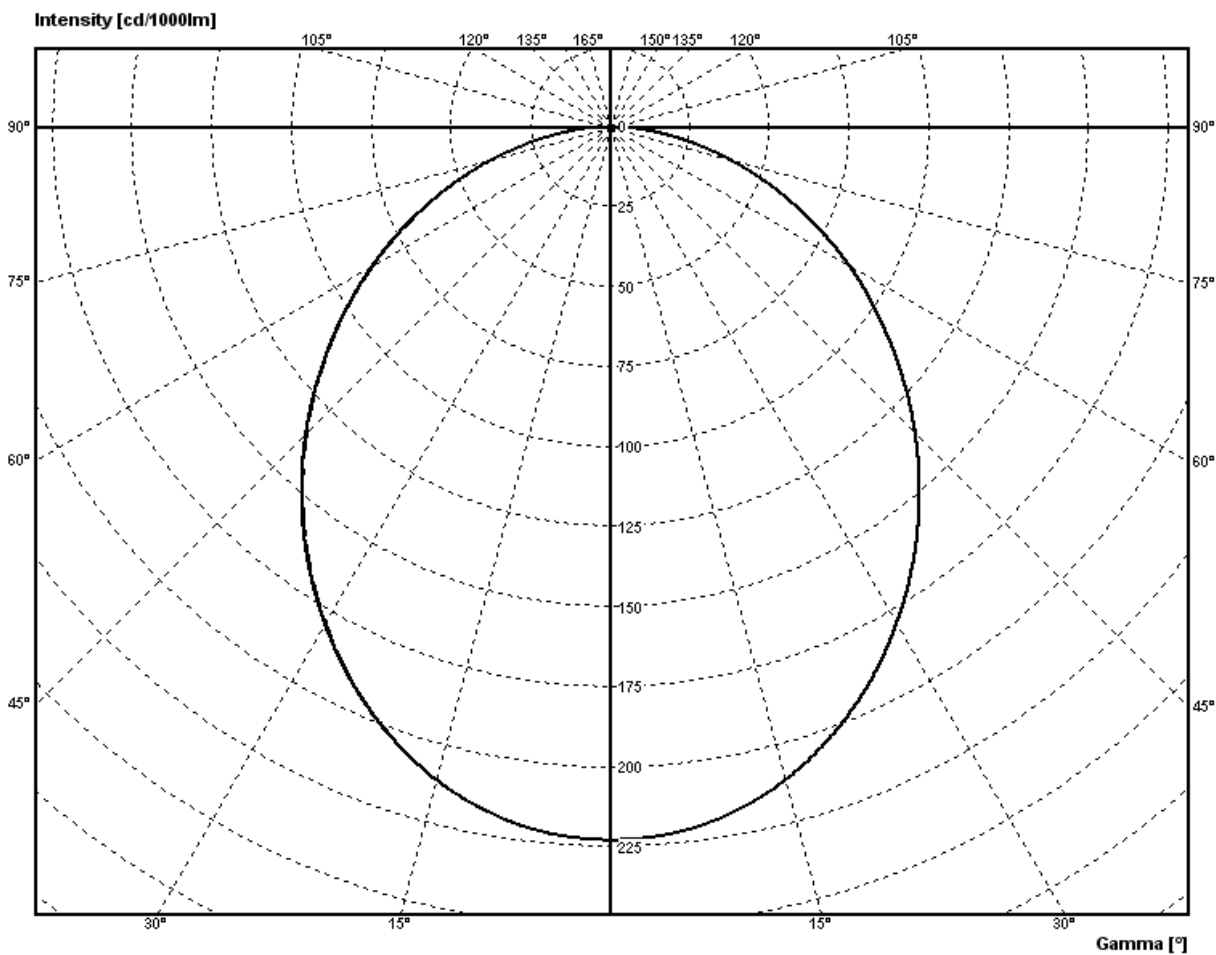
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 65 D1500 LIGHT+ 840 / 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	13,9	15,6	14,3	15,9	16,2	13,9	15,5	14,3	15,8	16,2
<b>2H</b>	<b>3H</b>	15,5	17,0	15,9	17,3	17,7	15,5	16,9	15,8	17,3	17,6
<b>2H</b>	<b>4H</b>	16,2	17,6	16,6	17,9	18,3	16,1	17,5	16,5	17,9	18,2
<b>2H</b>	<b>6H</b>	16,7	18,0	17,1	18,4	18,8	16,6	17,9	17,1	18,3	18,7
<b>2H</b>	<b>8H</b>	16,9	18,1	17,3	18,5	18,9	16,8	18,1	17,2	18,4	18,8
<b>2H</b>	<b>12H</b>	17,0	18,2	17,4	18,6	19,0	16,9	18,1	17,3	18,5	18,9
<b>4H</b>	<b>2H</b>	14,7	16,0	15,0	16,4	16,8	14,6	16,0	15,0	16,4	16,7
<b>4H</b>	<b>3H</b>	16,4	17,6	16,8	18,0	18,4	16,4	17,6	16,8	17,9	18,3
<b>4H</b>	<b>4H</b>	17,2	18,3	17,7	18,7	19,1	17,2	18,2	17,6	18,6	19,1
<b>4H</b>	<b>6H</b>	17,9	18,8	18,3	19,2	19,7	17,8	18,7	18,2	19,2	19,6
<b>4H</b>	<b>8H</b>	18,1	19,0	18,6	19,4	19,9	18,0	18,9	18,5	19,3	19,8
<b>4H</b>	<b>12H</b>	18,3	19,1	18,8	19,6	20,1	18,2	19,0	18,7	19,5	20,0
<b>8H</b>	<b>4H</b>	17,5	18,4	18,0	18,9	19,3	17,5	18,4	17,9	18,8	19,3
<b>8H</b>	<b>6H</b>	18,3	19,0	18,8	19,5	20,0	18,2	19,0	18,7	19,4	19,9
<b>8H</b>	<b>8H</b>	18,7	19,3	19,2	19,8	20,3	18,6	19,3	19,1	19,8	20,2
<b>8H</b>	<b>12H</b>	19,0	19,5	19,5	20,0	20,5	18,9	19,4	19,4	19,9	20,4
<b>12H</b>	<b>4H</b>	17,6	18,4	18,1	18,8	19,3	17,5	18,3	18,0	18,8	19,3
<b>12H</b>	<b>6H</b>	18,4	19,1	18,9	19,6	20,1	18,4	19,0	18,9	19,5	20,0
<b>12H</b>	<b>8H</b>	18,8	19,3	19,3	19,9	20,4	18,7	19,3	19,2	19,8	20,3

UGR values are corrected for lamp flux of 15400 lm by 9,5

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Luminance [cd/m<sup>2</sup>] CONCEPT O 65 D1500 LIGHT+ 840 / 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	1707,16	1703,91	1703,35	1700,40	1699,56	1697,46	1699,96	1697,46	1699,56
50,00	1652,62	1651,28	1648,84	1646,15	1645,58	1643,52	1645,73	1643,52	1645,58
55,00	1596,69	1595,25	1592,56	1590,70	1586,61	1585,62	1588,02	1585,62	1586,61
60,00	1541,94	1534,94	1534,91	1530,89	1527,85	1524,43	1529,30	1524,43	1527,85
65,00	1476,29	1473,53	1470,48	1466,34	1462,34	1460,33	1461,48	1460,33	1462,34
70,00	1409,43	1403,77	1402,13	1395,72	1392,32	1387,08	1390,72	1387,08	1392,32
75,00	1335,35	1326,02	1326,68	1316,87	1311,73	1306,95	1310,82	1306,95	1311,73
80,00	1248,41	1237,49	1236,38	1222,62	1220,35	1203,72	1223,69	1203,72	1220,35
85,00	1252,86	1146,07	1155,84	1147,34	1164,00	1161,24	1190,31	1161,24	1164,00

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	1700,40	1703,35	1703,91	1707,16	1703,91	1703,35	1700,40	1699,56	1697,46
50,00	1646,15	1648,84	1651,28	1652,62	1651,28	1648,84	1646,15	1645,58	1643,52
55,00	1590,70	1592,56	1595,25	1596,69	1595,25	1592,56	1590,70	1586,61	1585,62
60,00	1530,89	1534,91	1534,94	1541,94	1534,94	1534,91	1530,89	1527,85	1524,43
65,00	1466,34	1470,48	1473,53	1476,29	1473,53	1470,48	1466,34	1462,34	1460,33
70,00	1395,72	1402,13	1403,77	1409,43	1403,77	1402,13	1395,72	1392,32	1387,08
75,00	1316,87	1326,68	1326,02	1335,35	1326,02	1326,68	1316,87	1311,73	1306,95
80,00	1222,62	1236,38	1237,49	1248,41	1237,49	1236,38	1222,62	1220,35	1203,72
85,00	1147,34	1155,84	1146,07	1252,86	1146,07	1155,84	1147,34	1164,00	1161,24

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	1699,96	1697,46	1699,56	1700,40	1703,35	1703,91
50,00	1645,73	1643,52	1645,58	1646,15	1648,84	1651,28
55,00	1588,02	1585,62	1586,61	1590,70	1592,56	1595,25
60,00	1529,30	1524,43	1527,85	1530,89	1534,91	1534,94
65,00	1461,48	1460,33	1462,34	1466,34	1470,48	1473,53
70,00	1390,72	1387,08	1392,32	1395,72	1402,13	1403,77
75,00	1310,82	1306,95	1311,73	1316,87	1326,68	1326,02
80,00	1223,69	1203,72	1220,35	1222,62	1236,38	1237,49
85,00	1190,31	1161,24	1164,00	1147,34	1155,84	1146,07

## HEADQUARTERS

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