

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888438

Luminaire Tested: **DPT5-6FO36-61V60-F-XX-UDD_2700K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO36-61V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

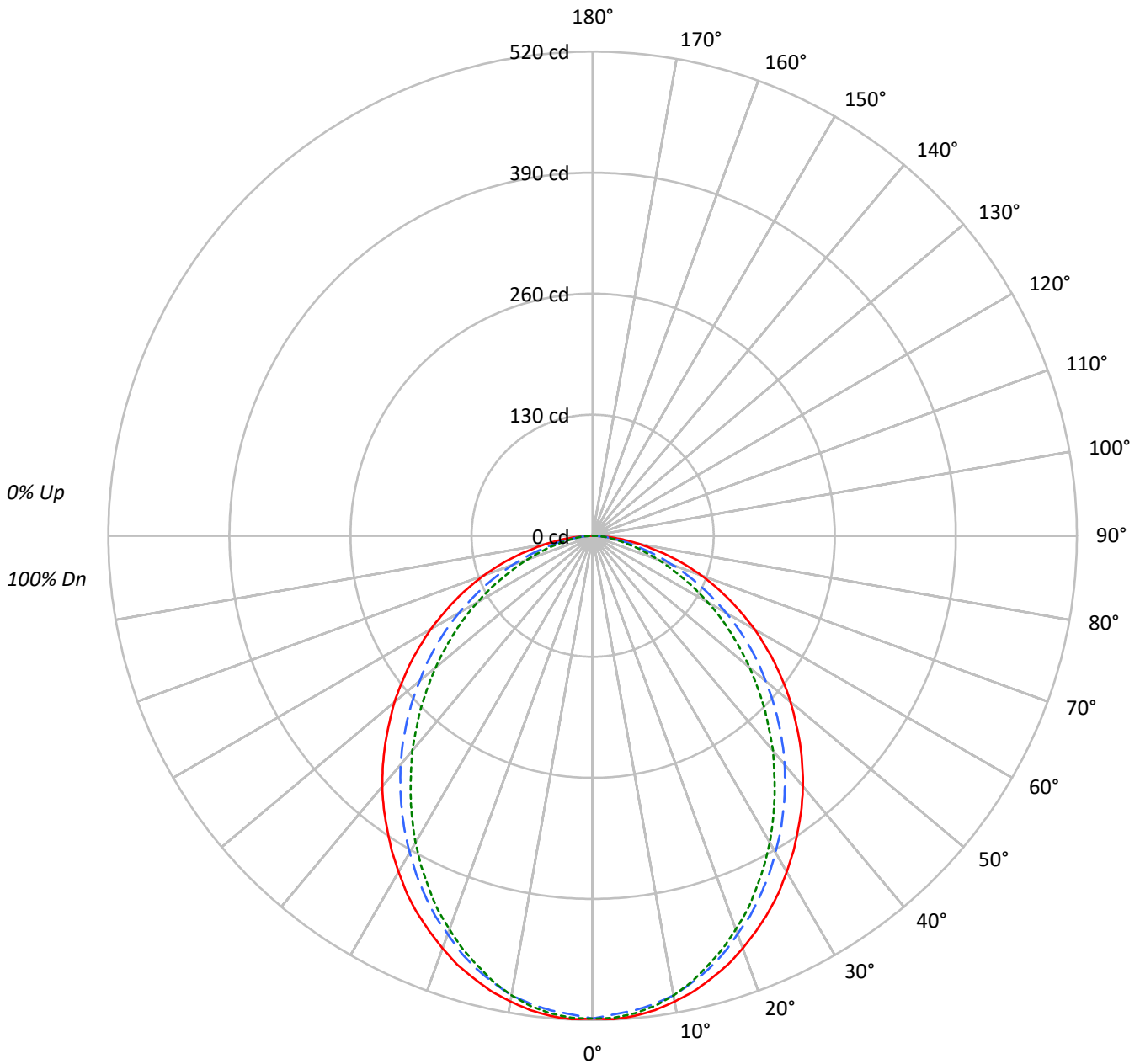
Lumens per Lamp: N/A
Luminaire Lumens: 1225.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4931	4931	4931
5°	4942	4886	4916
10°	4905	4840	4840
15°	4847	4742	4704
20°	4771	4605	4550
25°	4684	4470	4373
30°	4576	4314	4176
35°	4465	4151	3956
40°	4361	3982	3739
45°	4234	3792	3502
50°	4107	3586	3257
55°	3961	3391	2995
60°	3814	3150	2711
65°	3641	2874	2388
70°	3443	2525	2058
75°	3167	2131	1712
80°	2788	1676	1440
85°	2346	1375	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	4.0
10°-20°	136.4	11.1
20°-30°	197.7	16.1
30°-40°	225.3	18.4
40°-50°	219.6	17.9
50°-60°	184.8	15.1
60°-70°	129.5	10.6
70°-80°	66.4	5.4
80°-90°	16.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	382.9	31.3
0°-40°	608.2	49.6
0°-60°	1012.6	82.7
0°-90°	1225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	518	518	518	518	518	
5°	518	516	512	516	515	49
15°	492	490	482	481	478	139
25°	446	440	426	421	417	205
35°	385	375	358	346	341	241
45°	315	304	282	266	260	243
55°	239	226	204	187	181	214
65°	162	148	128	112	106	160
75°	86	74	58	49	47	91
85°	22	14	13	12	12	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	518.5	518.5	518.5	518.5	518.5
2.5°	519.7	518.5	514.6	518.5	518.1
5°	517.7	516.2	511.8	515.7	514.9
7.5°	513.8	512.2	507.1	510.2	509.5
10°	507.9	506.7	501.2	502.5	501.2
12.5°	501.2	499.6	491.8	492.6	490.7
15°	492.3	489.9	481.6	481.3	477.8
17.5°	482.9	479.4	469.5	467.6	464.8
20°	471.4	467.6	455.0	453.1	449.6
22.5°	459.0	455.0	441.8	437.4	434.6
25°	446.4	440.5	426.0	421.0	416.7
27.5°	432.4	425.2	410.0	403.4	399.1
30°	416.7	409.3	392.8	383.8	380.3
32.5°	401.3	392.4	375.6	365.4	360.7
35°	384.6	375.2	357.5	346.2	340.7
37.5°	368.5	357.1	339.1	325.9	320.3
40°	351.3	339.5	320.7	305.8	301.2
42.5°	333.2	321.1	301.5	287.4	280.0
45°	314.8	303.6	281.9	266.3	260.4
47.5°	295.6	284.0	262.3	246.3	239.6
50°	277.6	264.7	242.4	226.0	220.1
52.5°	258.0	244.8	224.0	205.9	200.1
55°	238.9	226.4	204.5	186.8	180.6
57.5°	219.3	205.9	184.9	167.6	162.1
60°	200.5	186.8	165.6	148.4	142.5
62.5°	180.6	167.6	146.1	130.4	124.5
65°	161.8	148.4	127.7	111.9	106.1
67.5°	142.9	129.7	109.6	94.8	90.1
70°	123.8	110.4	90.8	78.7	74.0
72.5°	105.0	92.0	74.0	63.1	60.4
75°	86.2	74.4	58.0	49.4	46.6
77.5°	66.9	57.5	43.8	37.3	34.9
80°	50.9	41.6	30.6	27.0	26.3
82.5°	35.2	27.0	20.4	19.1	18.8
85°	21.5	14.5	12.6	12.1	11.8
87.5°	9.1	6.2	5.9	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)