

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: P888444

Luminaire Tested: **DPT5-6FO36-61V60-F-XX-UDD_6500K**

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: P888444
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_6500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

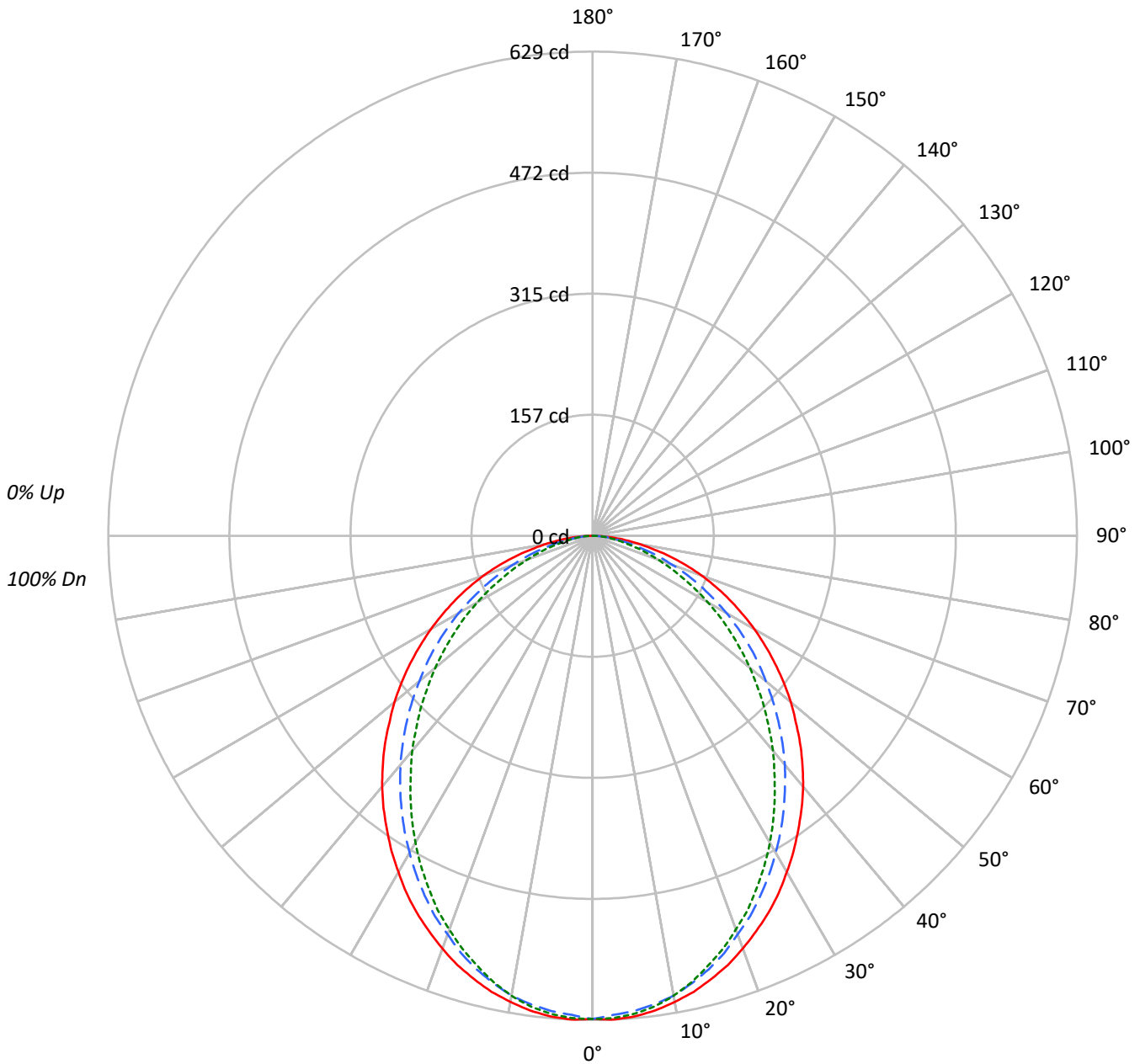
Lumens per Lamp: N/A
Luminaire Lumens: 1483.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888444

CATALOG NUMBER: DPT5-6FO36-61V60-F-XX-UDD_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P888444

CATALOG NUMBER: DPT5-6FO36-61V60-F-XX-UDD_6500K

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°	5970	5970	5970
5°	5984	5915	5951
10°	5938	5860	5860
15°	5868	5740	5695
20°	5776	5576	5509
25°	5671	5413	5293
30°	5539	5222	5056
35°	5406	5025	4788
40°	5280	4821	4527
45°	5126	4590	4241
50°	4973	4343	3943
55°	4795	4105	3625
60°	4616	3814	3281
65°	4406	3479	2889
70°	4168	3056	2492
75°	3833	2580	2076
80°	3374	2026	1742
85°	2837	1659	1550



TEST NUMBER: P888444

CATALOG NUMBER: DPT5-6FO36-61V60-F-XX-UDD_6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	4.0
10°-20°	165.1	11.1
20°-30°	239.4	16.1
30°-40°	272.7	18.4
40°-50°	265.8	17.9
50°-60°	223.7	15.1
60°-70°	156.8	10.6
70°-80°	80.4	5.4
80°-90°	20.0	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°	463.6	31.3
0°-40°	736.3	49.6
0°-60°	1225.8	82.7
0°-90°	1483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	628	628	628	628	628	
5°	627	625	620	624	623	59
15°	596	593	583	583	578	168
25°	540	533	516	510	504	249
35°	466	454	433	419	412	292
45°	381	368	341	322	315	294
55°	289	274	248	226	219	259
65°	196	180	155	136	128	194
75°	104	90	70	60	56	110
85°	26	18	15	15	14	30
90°	0	0	0	0	0	



TEST NUMBER: P888444

CATALOG NUMBER: DPT5-6FO36-61V60-F-XX-UDD_6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	627.7	627.7	627.7	627.7	627.7
2.5°	629.1	627.7	623.0	627.7	627.2
5°	626.8	624.9	619.6	624.3	623.3
7.5°	622.0	620.1	613.9	617.7	616.8
10°	614.9	613.5	606.8	608.3	606.8
12.5°	606.8	604.9	595.4	596.3	594.0
15°	596.0	593.1	583.0	582.6	578.4
17.5°	584.5	580.3	568.4	566.1	562.7
20°	570.7	566.1	550.9	548.5	544.3
22.5°	555.6	550.9	534.9	529.6	526.2
25°	540.4	533.3	515.8	509.6	504.4
27.5°	523.4	514.8	496.3	488.3	483.1
30°	504.4	495.5	475.5	464.7	460.4
32.5°	485.9	475.1	454.7	442.3	436.7
35°	465.6	454.2	432.8	419.1	412.4
37.5°	446.1	432.3	410.5	394.5	387.7
40°	425.3	411.0	388.3	370.2	364.6
42.5°	403.4	388.7	365.0	348.0	338.9
45°	381.1	367.5	341.3	322.4	315.3
47.5°	357.8	343.8	317.6	298.2	290.1
50°	336.1	320.5	293.5	273.6	266.5
52.5°	312.4	296.4	271.1	249.3	242.2
55°	289.2	274.0	247.6	226.2	218.6
57.5°	265.5	249.3	223.8	202.9	196.3
60°	242.7	226.2	200.5	179.7	172.5
62.5°	218.6	202.9	176.8	157.9	150.7
65°	195.8	179.7	154.6	135.5	128.4
67.5°	173.0	157.0	132.7	114.8	109.1
70°	149.9	133.7	109.9	95.2	89.6
72.5°	127.1	111.4	89.6	76.3	73.1
75°	104.3	90.1	70.2	59.8	56.5
77.5°	81.0	69.6	53.0	45.1	42.2
80°	61.6	50.3	37.0	32.7	31.8
82.5°	42.7	32.7	24.7	23.1	22.8
85°	26.0	17.5	15.2	14.7	14.2
87.5°	11.0	7.6	7.1	7.1	6.6
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)