

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: P888408

Luminaire Tested: **DPT5-6FO36-109V60-F-XX-UDD_4000K**

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: P888408
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: DPT5-6FO36-109V60-F-XX-UDD_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

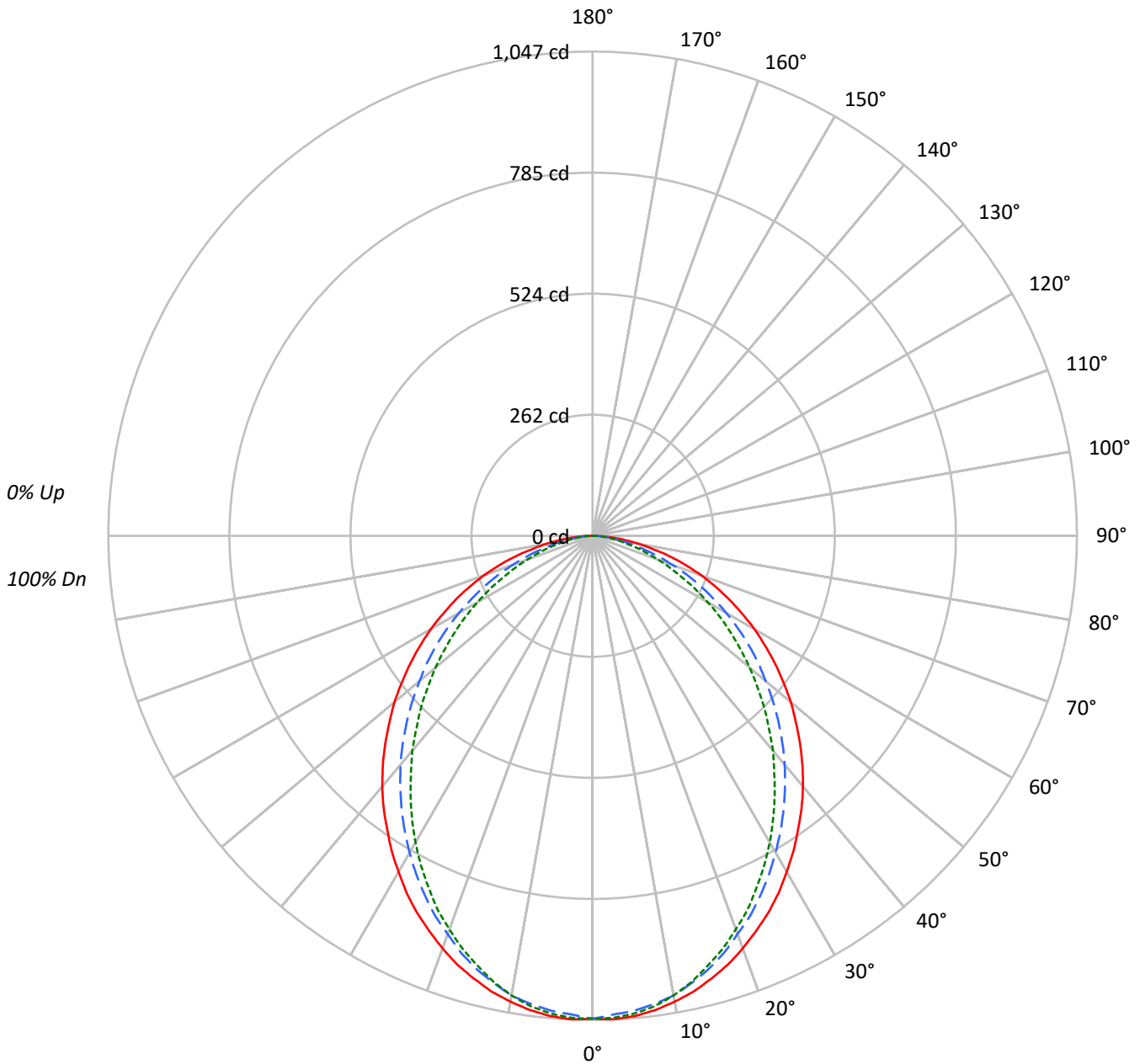
Lumens per Lamp: N/A
Luminaire Lumens: 2467.0 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
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: P888408

CATALOG NUMBER: DPT5-6FO36-109V60-F-XX-UDD_4000K

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°	9931	9931	9931
5°	9954	9841	9899
10°	9878	9748	9748
15°	9761	9550	9474
20°	9609	9275	9163
25°	9434	9004	8805
30°	9215	8687	8410
35°	8992	8359	7966
40°	8784	8019	7530
45°	8527	7637	7054
50°	8272	7223	6559
55°	7979	6828	6031
60°	7681	6344	5459
65°	7332	5788	4807
70°	6932	5086	4146
75°	6375	4288	3450
80°	5619	3374	2903
85°	4725	2761	2586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.3	4.0
10°-20°	274.6	11.1
20°-30°	398.2	16.1
30°-40°	453.7	18.4
40°-50°	442.2	17.9
50°-60°	372.2	15.1
60°-70°	260.8	10.6
70°-80°	133.7	5.4
80°-90°	33.3	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°	771.1	31.3
0°-40°	1224.8	49.6
0°-60°	2039.2	82.7
0°-90°	2467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1044	1044	1044	1044	1044	
5°	1043	1040	1031	1038	1037	99
15°	991	987	970	969	962	280
25°	899	887	858	848	839	414
35°	774	756	720	697	686	485
45°	634	611	568	536	524	489
55°	481	456	412	376	364	430
65°	326	299	257	225	214	323
75°	174	150	117	100	94	183
85°	43	29	25	24	24	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1044.2	1044.2	1044.2	1044.2	1044.2
2.5°	1046.6	1044.2	1036.3	1044.2	1043.4
5°	1042.6	1039.5	1030.8	1038.5	1036.9
7.5°	1034.7	1031.5	1021.3	1027.6	1026.1
10°	1022.9	1020.5	1009.4	1011.9	1009.4
12.5°	1009.4	1006.2	990.4	992.0	988.2
15°	991.4	986.6	969.9	969.2	962.2
17.5°	972.4	965.4	945.5	941.7	936.1
20°	949.4	941.7	916.4	912.4	905.4
22.5°	924.3	916.4	889.7	881.0	875.3
25°	899.0	887.1	858.0	847.8	839.1
27.5°	870.7	856.4	825.7	812.4	803.7
30°	839.1	824.2	791.0	773.0	765.8
32.5°	808.3	790.3	756.3	735.8	726.5
35°	774.5	755.6	720.0	697.2	686.1
37.5°	742.1	719.2	682.9	656.3	645.0
40°	707.5	683.8	645.9	615.9	606.5
42.5°	671.0	646.6	607.1	578.9	563.8
45°	634.0	611.4	567.8	536.3	524.5
47.5°	595.3	571.9	528.3	496.1	482.6
50°	559.1	533.1	488.2	455.1	443.3
52.5°	519.6	493.0	451.0	414.7	402.9
55°	481.2	455.8	411.8	376.3	363.7
57.5°	441.7	414.7	372.3	337.5	326.5
60°	403.8	376.3	333.5	298.9	287.0
62.5°	363.7	337.5	294.2	262.6	250.7
65°	325.8	298.9	257.2	225.4	213.6
67.5°	287.8	261.1	220.8	190.9	181.5
70°	249.3	222.4	182.9	158.4	149.1
72.5°	211.4	185.4	149.1	127.0	121.6
75°	173.5	149.8	116.7	99.5	93.9
77.5°	134.7	115.9	88.2	75.0	70.2
80°	102.6	83.7	61.6	54.4	53.0
82.5°	71.0	54.4	41.1	38.5	37.9
85°	43.3	29.1	25.3	24.4	23.7
87.5°	18.3	12.6	11.8	11.8	11.0
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)