

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: P888427

Luminaire Tested: **DPT5-6FO36-37V60-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: P888427
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: DPT5-6FO36-37V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

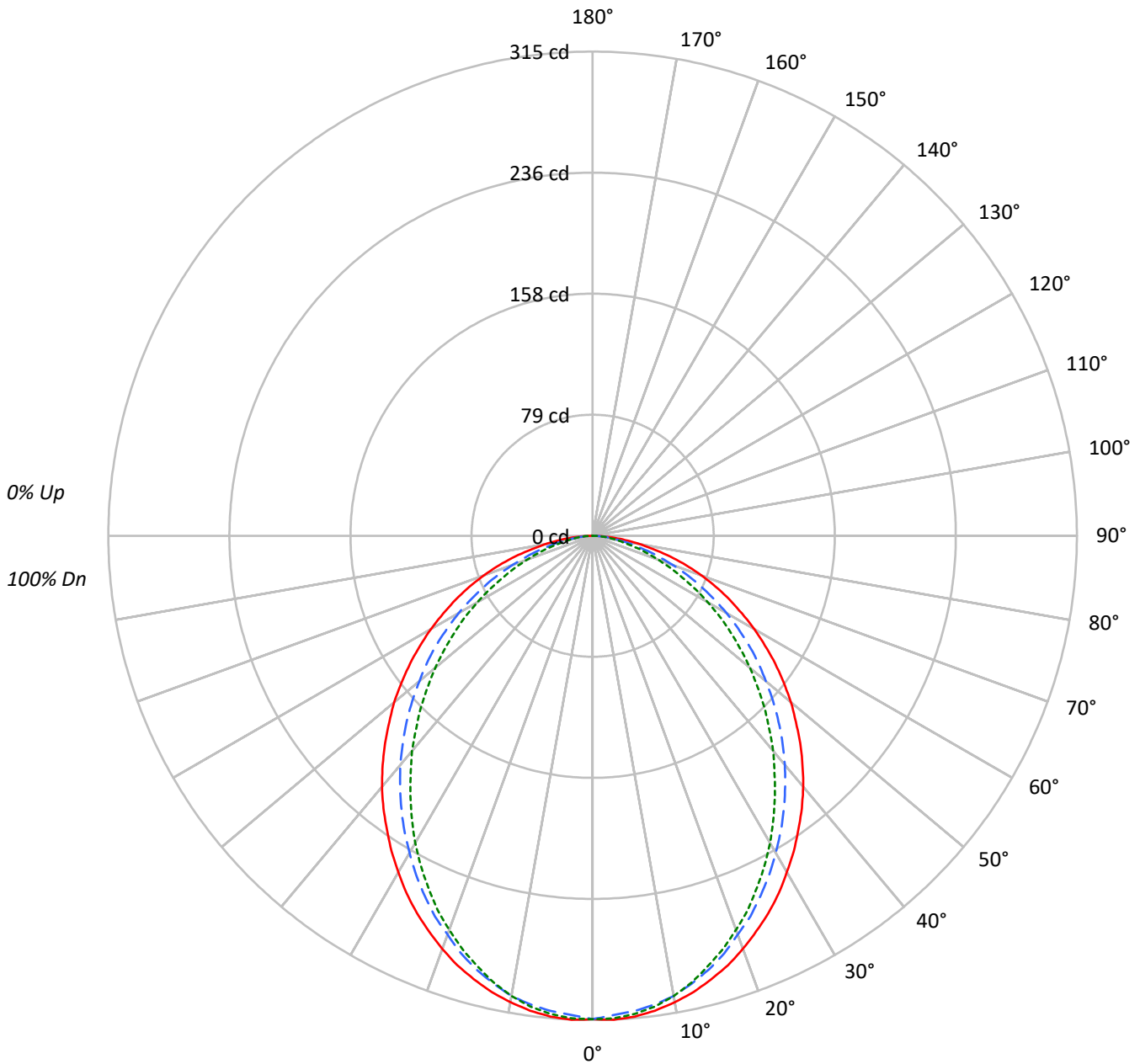
Lumens per Lamp: N/A
Luminaire Lumens: 743.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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: P888427

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P888427

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_2700K

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°	2991	2991	2991
5°	2998	2963	2981
10°	2975	2936	2936
15°	2940	2876	2853
20°	2894	2793	2760
25°	2841	2712	2652
30°	2775	2616	2534
35°	2709	2518	2399
40°	2646	2415	2268
45°	2569	2300	2125
50°	2492	2175	1975
55°	2403	2056	1816
60°	2313	1912	1643
65°	2208	1744	1447
70°	2088	1532	1249
75°	1922	1293	1040
80°	1692	1013	871
85°	1419	829	775



TEST NUMBER: P888427

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	4.0
10°-20°	82.7	11.1
20°-30°	119.9	16.1
30°-40°	136.6	18.4
40°-50°	133.2	17.9
50°-60°	112.1	15.1
60°-70°	78.5	10.6
70°-80°	40.3	5.4
80°-90°	10.1	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°	232.2	31.3
0°-40°	368.9	49.6
0°-60°	614.1	82.7
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	314	314	314	314	314	
5°	314	313	310	313	312	30
15°	299	297	292	292	290	84
25°	271	267	258	255	253	125
35°	233	228	217	210	207	146
45°	191	184	171	162	158	147
55°	145	137	124	113	110	130
65°	98	90	78	68	64	97
75°	52	45	35	30	28	55
85°	13	9	8	7	7	15
90°	0	0	0	0	0	



TEST NUMBER: P888427

CATALOG NUMBER: DPT5-6FO36-37V60-F-XX-UDD_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	314.5	314.5	314.5	314.5	314.5
2.5°	315.2	314.5	312.1	314.5	314.2
5°	314.0	313.1	310.4	312.8	312.3
7.5°	311.6	310.7	307.6	309.5	309.0
10°	308.1	307.4	304.0	304.8	304.0
12.5°	304.0	303.0	298.3	298.8	297.6
15°	298.6	297.1	292.1	291.9	289.8
17.5°	292.9	290.7	284.8	283.6	281.9
20°	285.9	283.6	276.0	274.8	272.7
22.5°	278.4	276.0	268.0	265.3	263.6
25°	270.7	267.2	258.4	255.3	252.7
27.5°	262.2	257.9	248.7	244.7	242.1
30°	252.7	248.2	238.2	232.8	230.7
32.5°	243.4	238.0	227.8	221.6	218.8
35°	233.3	227.6	216.9	210.0	206.6
37.5°	223.5	216.6	205.7	197.7	194.3
40°	213.1	205.9	194.5	185.5	182.7
42.5°	202.1	194.7	182.8	174.3	169.8
45°	191.0	184.1	171.0	161.5	158.0
47.5°	179.3	172.2	159.1	149.4	145.4
50°	168.4	160.6	147.0	137.1	133.5
52.5°	156.5	148.5	135.8	124.9	121.3
55°	144.9	137.3	124.0	113.3	109.5
57.5°	133.0	124.9	112.1	101.6	98.3
60°	121.6	113.3	100.5	90.0	86.4
62.5°	109.5	101.6	88.6	79.1	75.5
65°	98.1	90.0	77.5	67.9	64.3
67.5°	86.7	78.6	66.5	57.5	54.7
70°	75.1	67.0	55.1	47.7	44.9
72.5°	63.7	55.8	44.9	38.2	36.6
75°	52.3	45.1	35.2	30.0	28.3
77.5°	40.6	34.9	26.6	22.6	21.1
80°	30.9	25.2	18.5	16.4	15.9
82.5°	21.4	16.4	12.4	11.6	11.4
85°	13.0	8.8	7.6	7.4	7.1
87.5°	5.5	3.8	3.6	3.6	3.3
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)