

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: P888505

Luminaire Tested: **DPT5-6FO44-85V60-F-XX-UDD_3000K**

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: P888505
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: DPT5-6FO44-85V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

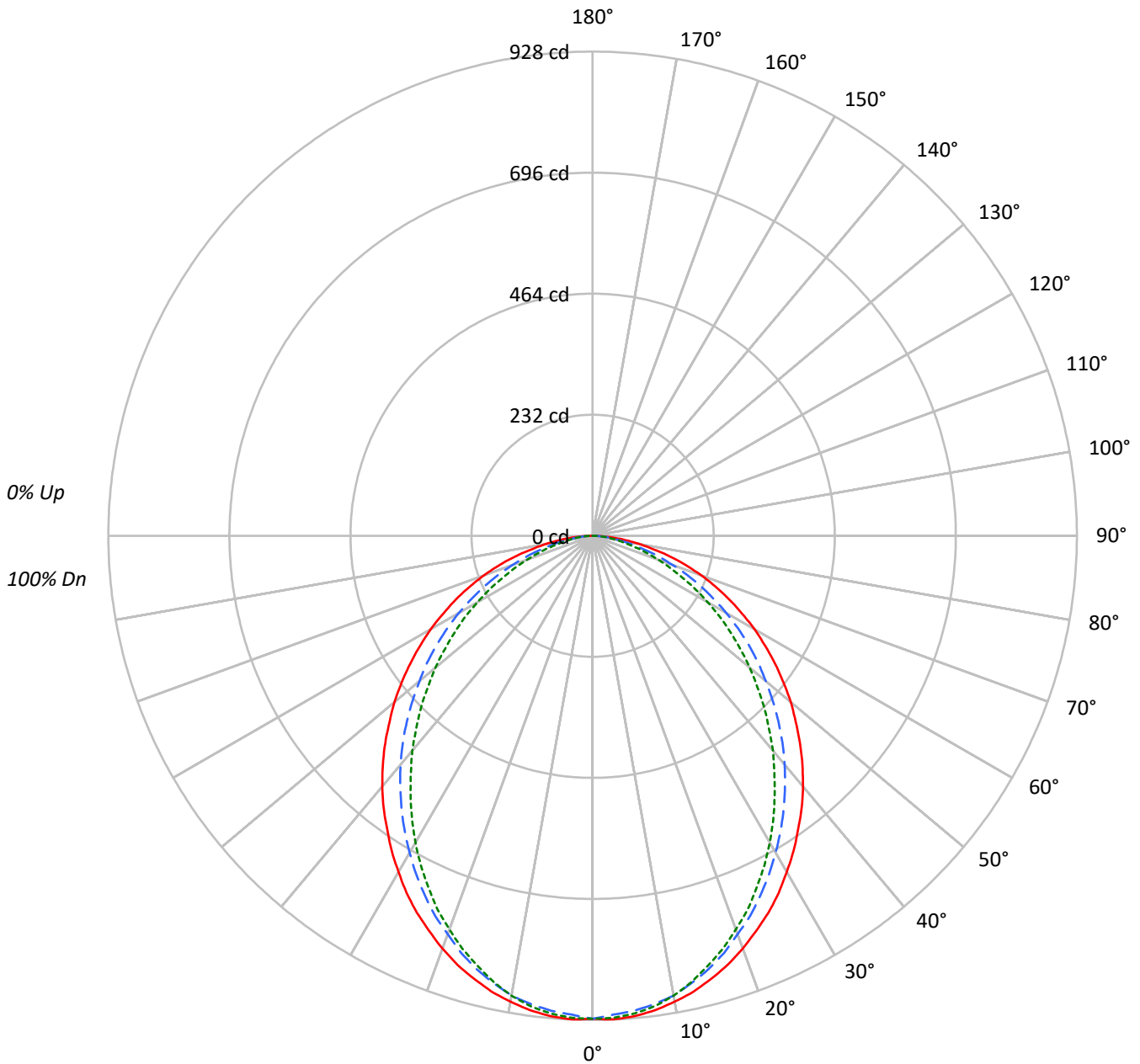
Lumens per Lamp: N/A
Luminaire Lumens: 2187.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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°	7156	7156	7156
5°	7173	7091	7133
10°	7118	7024	7024
15°	7034	6881	6827
20°	6925	6684	6603
25°	6798	6488	6345
30°	6641	6259	6060
35°	6480	6024	5740
40°	6330	5779	5426
45°	6145	5503	5083
50°	5962	5205	4727
55°	5748	4921	4345
60°	5534	4572	3933
65°	5283	4171	3463
70°	4995	3664	2988
75°	4594	3091	2488
80°	4047	2431	2088
85°	3406	1987	1863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	4.0
10°-20°	243.5	11.1
20°-30°	353.0	16.1
30°-40°	402.2	18.4
40°-50°	392.0	17.9
50°-60°	329.9	15.1
60°-70°	231.2	10.6
70°-80°	118.5	5.4
80°-90°	29.6	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°	683.6	31.3
0°-40°	1085.8	49.6
0°-60°	1807.7	82.7
0°-90°	2187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	924	922	914	921	919	88
15°	879	875	860	859	853	248
25°	797	786	761	752	744	367
35°	687	670	638	618	608	430
45°	562	542	503	475	465	433
55°	426	404	365	334	322	381
65°	289	265	228	200	189	286
75°	154	133	104	88	83	163
85°	38	26	22	22	21	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	925.7	925.7	925.7	925.7	925.7
2.5°	927.8	925.7	918.7	925.7	924.9
5°	924.3	921.6	913.8	920.7	919.2
7.5°	917.3	914.4	905.4	910.9	909.6
10°	906.8	904.7	894.8	897.1	894.8
12.5°	894.8	892.0	878.0	879.4	876.0
15°	878.9	874.6	859.8	859.2	853.0
17.5°	862.0	855.8	838.2	834.8	829.9
20°	841.7	834.8	812.4	808.9	802.6
22.5°	819.4	812.4	788.8	781.0	775.9
25°	796.9	786.4	760.6	751.5	743.9
27.5°	771.9	759.2	732.0	720.2	712.5
30°	743.9	730.7	701.2	685.3	678.9
32.5°	716.5	700.6	670.5	652.3	644.0
35°	686.6	669.8	638.3	618.1	608.2
37.5°	657.9	637.5	605.4	581.8	571.8
40°	627.2	606.2	572.6	546.0	537.7
42.5°	594.9	573.2	538.2	513.2	499.8
45°	562.1	542.0	503.3	475.4	464.9
47.5°	527.7	507.0	468.3	439.8	427.8
50°	495.7	472.6	432.8	403.5	393.0
52.5°	460.7	437.0	399.8	367.7	357.2
55°	426.5	404.1	365.1	333.6	322.4
57.5°	391.5	367.7	330.1	299.2	289.5
60°	357.9	333.6	295.7	265.0	254.4
62.5°	322.4	299.2	260.8	232.8	222.3
65°	288.8	265.0	228.0	199.8	189.3
67.5°	255.1	231.5	195.7	169.2	160.9
70°	221.0	197.1	162.1	140.5	132.2
72.5°	187.4	164.3	132.2	112.6	107.8
75°	153.8	132.8	103.5	88.2	83.3
77.5°	119.4	102.7	78.2	66.5	62.3
80°	90.9	74.2	54.6	48.2	46.9
82.5°	62.9	48.2	36.4	34.1	33.6
85°	38.4	25.8	22.4	21.7	21.0
87.5°	16.2	11.2	10.5	10.5	9.7
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)