

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: P888425

Luminaire Tested: **DPT5-6FO36-37S35-F-XX-UDD**

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: P888425
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: DPT5-6FO36-37S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

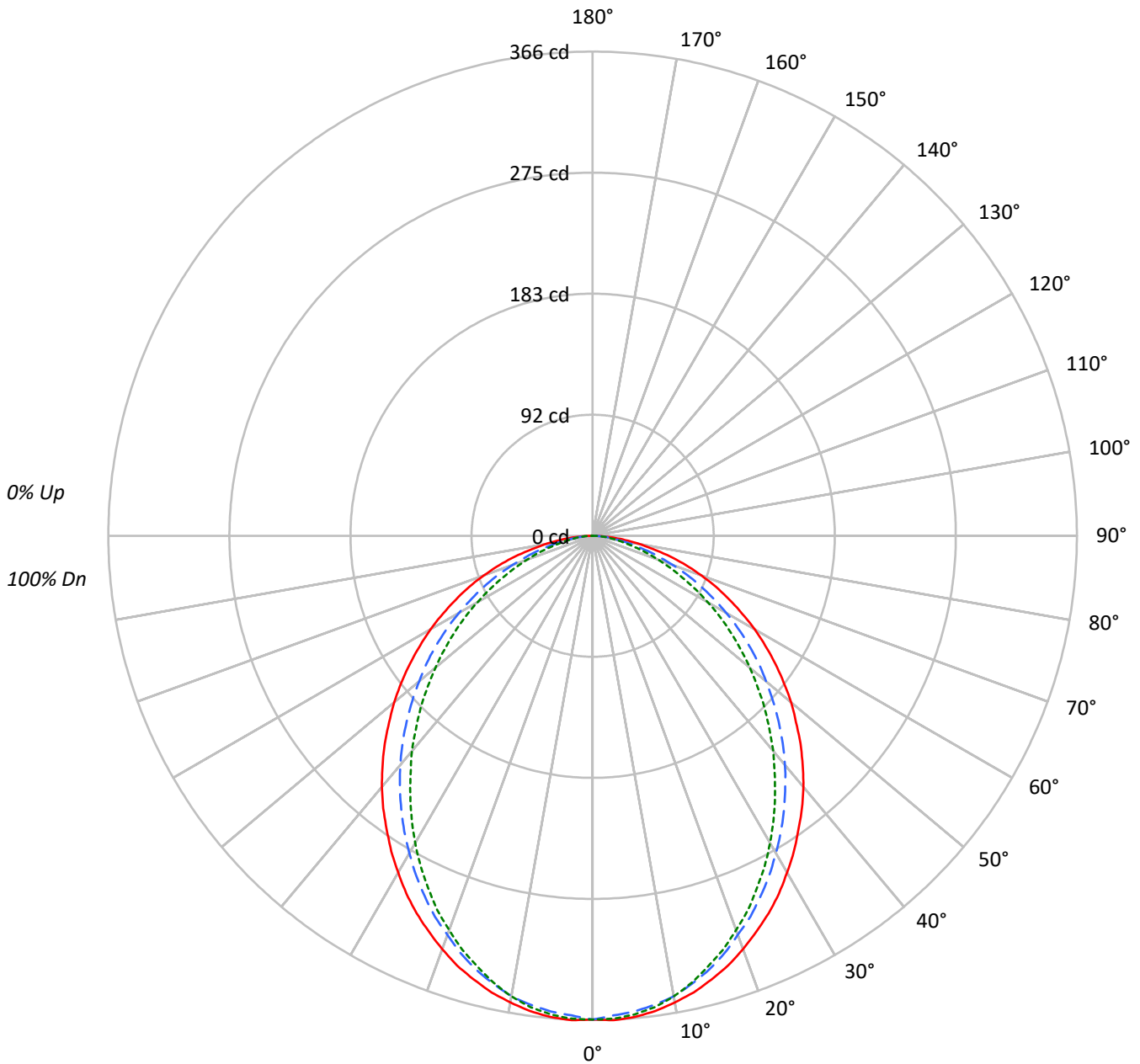
Lumens per Lamp: N/A
Luminaire Lumens: 864.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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

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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°	3478	3478	3478
5°	3487	3446	3467
10°	3459	3414	3414
15°	3419	3345	3318
20°	3365	3248	3209
25°	3303	3153	3084
30°	3228	3042	2945
35°	3149	2928	2790
40°	3076	2808	2637
45°	2987	2674	2471
50°	2897	2530	2296
55°	2794	2391	2112
60°	2690	2222	1912
65°	2568	2028	1683
70°	2428	1780	1452
75°	2234	1503	1209
80°	1966	1183	1013
85°	1659	971	906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	4.0
10°-20°	96.2	11.1
20°-30°	139.5	16.1
30°-40°	158.9	18.4
40°-50°	154.9	17.9
50°-60°	130.3	15.1
60°-70°	91.3	10.6
70°-80°	46.8	5.4
80°-90°	11.7	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°	270.1	31.3
0°-40°	429.0	49.6
0°-60°	714.2	82.7
0°-90°	864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	366	366	366	366	366	
5°	365	364	361	364	363	35
15°	347	346	340	339	337	98
25°	315	311	300	297	294	145
35°	271	265	252	244	240	170
45°	222	214	199	188	184	171
55°	168	160	144	132	127	151
65°	114	105	90	79	75	113
75°	61	52	41	35	33	64
85°	15	10	9	9	8	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	365.7	365.7	365.7	365.7	365.7
2.5°	366.5	365.7	362.9	365.7	365.4
5°	365.2	364.1	361.0	363.7	363.2
7.5°	362.4	361.3	357.7	359.9	359.4
10°	358.2	357.4	353.5	354.4	353.5
12.5°	353.5	352.4	346.9	347.4	346.1
15°	347.2	345.5	339.7	339.4	337.0
17.5°	340.6	338.1	331.1	329.8	327.9
20°	332.5	329.8	320.9	319.6	317.1
22.5°	323.7	320.9	311.6	308.5	306.5
25°	314.8	310.7	300.5	296.9	293.9
27.5°	304.9	299.9	289.2	284.5	281.5
30°	293.9	288.7	277.0	270.7	268.2
32.5°	283.1	276.8	264.9	257.7	254.4
35°	271.2	264.6	252.2	244.2	240.3
37.5°	259.9	251.9	239.2	229.8	225.9
40°	247.8	239.5	226.2	215.7	212.4
42.5°	235.0	226.5	212.6	202.7	197.5
45°	222.1	214.1	198.8	187.8	183.7
47.5°	208.5	200.3	185.0	173.7	169.0
50°	195.8	186.7	171.0	159.4	155.2
52.5°	182.0	172.7	158.0	145.3	141.1
55°	168.5	159.6	144.2	131.8	127.4
57.5°	154.7	145.3	130.4	118.2	114.4
60°	141.4	131.8	116.8	104.7	100.5
62.5°	127.4	118.2	103.0	92.0	87.8
65°	114.1	104.7	90.1	79.0	74.8
67.5°	100.8	91.5	77.3	66.9	63.6
70°	87.3	77.9	64.0	55.5	52.2
72.5°	74.0	64.9	52.2	44.5	42.6
75°	60.8	52.5	40.9	34.8	32.9
77.5°	47.2	40.6	30.9	26.3	24.6
80°	35.9	29.3	21.6	19.1	18.5
82.5°	24.8	19.1	14.4	13.5	13.3
85°	15.2	10.2	8.9	8.6	8.3
87.5°	6.4	4.4	4.2	4.2	3.8
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)