

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: P888539

Luminaire Tested: **DPT5-6FO55-37V60-F-XX-UDD_3500K**

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: P888539
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: DPT5-6FO55-37V60-F-XX-UDD_3500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

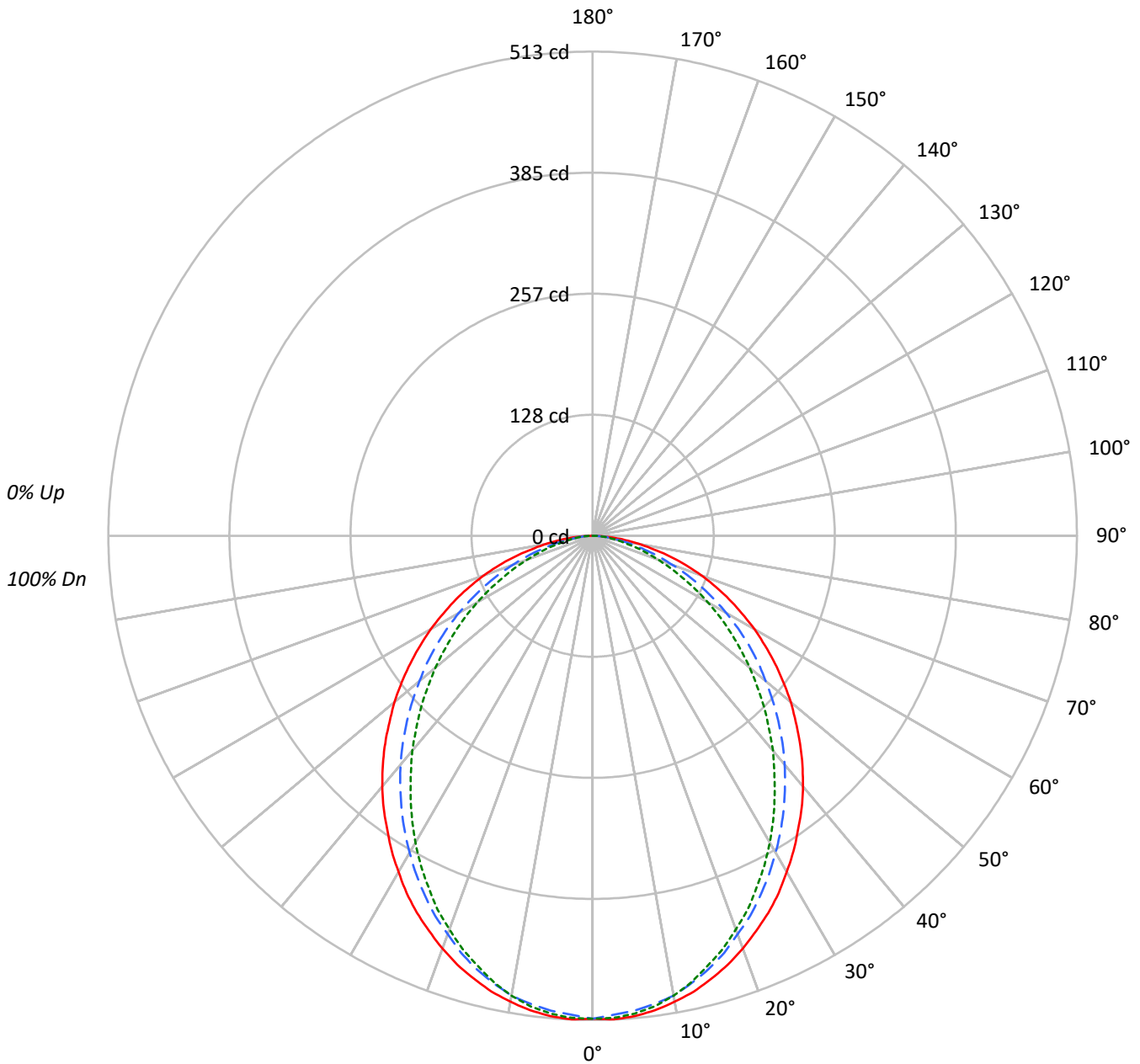
Lumens per Lamp: N/A
Luminaire Lumens: 1209.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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°	3268	3268	3268
5°	3276	3238	3258
10°	3251	3208	3208
15°	3213	3142	3117
20°	3162	3052	3015
25°	3105	2963	2898
30°	3032	2858	2768
35°	2959	2751	2621
40°	2890	2639	2478
45°	2806	2513	2321
50°	2722	2377	2158
55°	2625	2247	1984
60°	2528	2088	1797
65°	2413	1904	1582
70°	2282	1673	1365
75°	2097	1411	1135
80°	1850	1111	956
85°	1553	909	850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	4.0
10°-20°	134.6	11.1
20°-30°	195.1	16.1
30°-40°	222.3	18.4
40°-50°	216.7	17.9
50°-60°	182.4	15.1
60°-70°	127.8	10.6
70°-80°	65.5	5.4
80°-90°	16.4	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°	377.9	31.3
0°-40°	600.2	49.6
0°-60°	999.3	82.7
0°-90°	1209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	511	510	505	509	508	48
15°	486	484	475	475	472	137
25°	441	435	420	416	411	203
35°	380	370	353	342	336	238
45°	311	300	278	263	257	240
55°	236	223	202	184	178	211
65°	160	146	126	110	105	158
75°	85	73	57	49	46	90
85°	21	14	12	12	12	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	511.7	511.7	511.7	511.7	511.7
2.5°	512.9	511.7	507.9	511.7	511.3
5°	511.0	509.5	505.1	508.9	508.2
7.5°	507.1	505.5	500.5	503.6	502.9
10°	501.3	500.1	494.7	495.9	494.7
12.5°	494.7	493.1	485.4	486.2	484.3
15°	485.9	483.5	475.3	475.0	471.5
17.5°	476.5	473.1	463.4	461.5	458.8
20°	465.3	461.5	449.1	447.1	443.7
22.5°	453.0	449.1	436.0	431.7	428.9
25°	440.6	434.7	420.5	415.5	411.2
27.5°	426.7	419.7	404.6	398.1	393.9
30°	411.2	403.9	387.6	378.8	375.3
32.5°	396.1	387.3	370.7	360.6	356.0
35°	379.5	370.3	352.9	341.7	336.2
37.5°	363.7	352.4	334.7	321.6	316.1
40°	346.7	335.1	316.5	301.8	297.2
42.5°	328.9	316.9	297.5	283.7	276.3
45°	310.7	299.6	278.2	262.8	257.0
47.5°	291.7	280.2	258.9	243.1	236.5
50°	274.0	261.2	239.2	223.0	217.2
52.5°	254.7	241.6	221.0	203.2	197.4
55°	235.8	223.4	201.8	184.4	178.2
57.5°	216.4	203.2	182.5	165.4	160.0
60°	197.9	184.4	163.5	146.5	140.7
62.5°	178.2	165.4	144.2	128.7	122.9
65°	159.7	146.5	126.0	110.5	104.7
67.5°	141.0	128.0	108.2	93.6	89.0
70°	122.2	109.0	89.6	77.6	73.1
72.5°	103.6	90.8	73.1	62.2	59.6
75°	85.0	73.4	57.2	48.8	46.0
77.5°	66.0	56.8	43.2	36.8	34.4
80°	50.3	41.0	30.2	26.7	26.0
82.5°	34.8	26.7	20.1	18.9	18.6
85°	21.2	14.3	12.4	12.0	11.6
87.5°	9.0	6.2	5.8	5.8	5.4
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)