

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: P888414

Luminaire Tested: **DPT5-6FO36-127S35-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: P888414
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: DPT5-6FO36-127S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

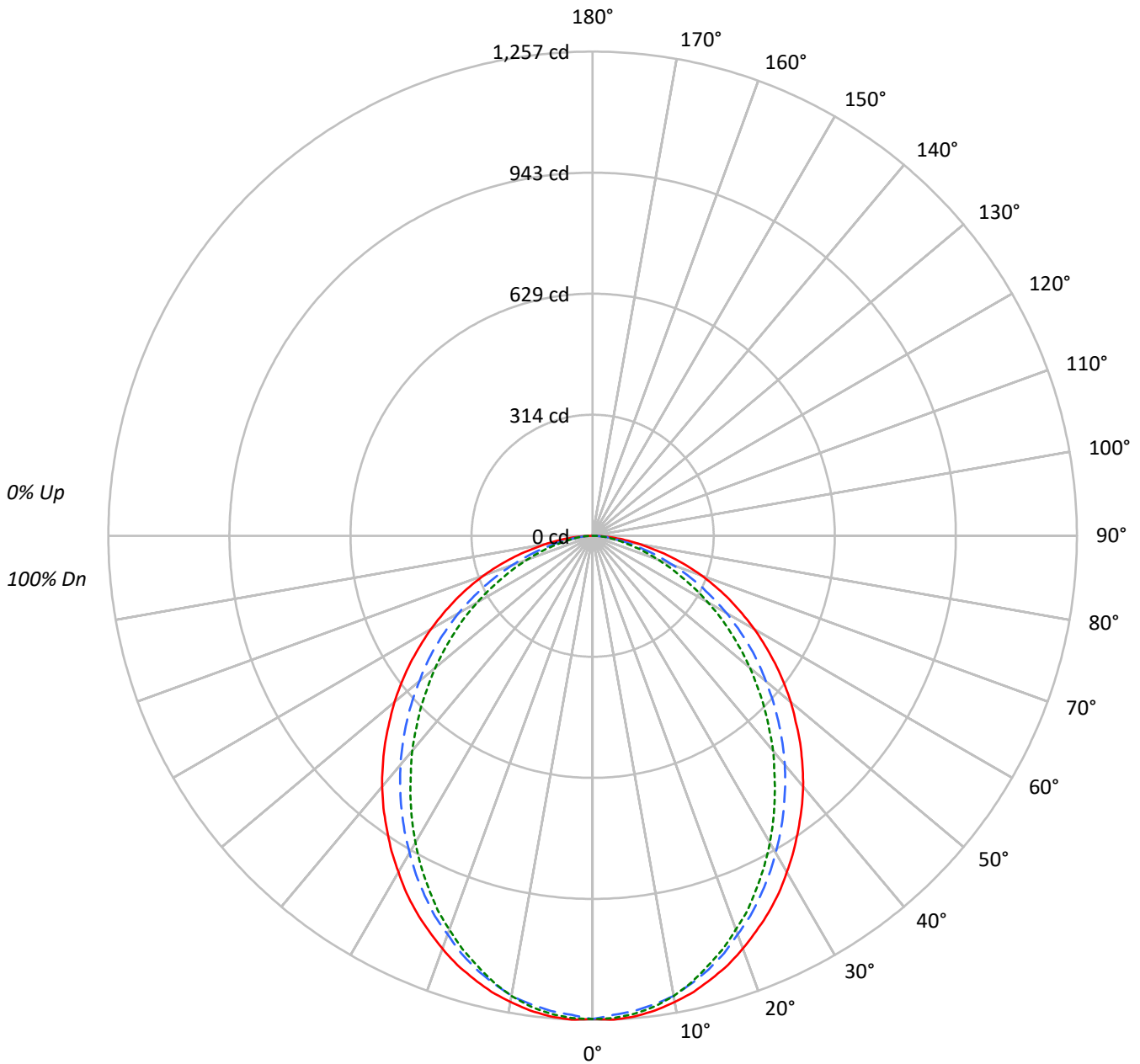
Lumens per Lamp: N/A
Luminaire Lumens: 2964.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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°	11932	11932	11932
5°	11959	11823	11893
10°	11868	11712	11712
15°	11729	11474	11382
20°	11545	11143	11010
25°	11334	10818	10580
30°	11072	10437	10104
35°	10803	10044	9570
40°	10553	9634	9047
45°	10246	9174	8475
50°	9940	8678	7880
55°	9586	8204	7244
60°	9227	7622	6558
65°	8808	6954	5774
70°	8328	6109	4980
75°	7662	5155	4145
80°	6748	4053	3483
85°	5674	3317	3110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.0
10°-20°	330.0	11.1
20°-30°	478.4	16.1
30°-40°	545.1	18.4
40°-50°	531.3	17.9
50°-60°	447.1	15.1
60°-70°	313.3	10.6
70°-80°	160.7	5.4
80°-90°	40.1	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°	926.5	31.3
0°-40°	1471.6	49.6
0°-60°	2450.0	82.7
0°-90°	2964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1253	1249	1238	1248	1246	119
15°	1191	1185	1165	1164	1156	336
25°	1080	1066	1031	1019	1008	497
35°	930	908	865	838	824	583
45°	762	734	682	644	630	587
55°	578	548	495	452	437	517
65°	391	359	309	271	257	388
75°	208	180	140	120	113	220
85°	52	35	30	29	28	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1254.6	1254.6	1254.6	1254.6	1254.6
2.5°	1257.4	1254.6	1245.1	1254.6	1253.5
5°	1252.7	1249.0	1238.4	1247.7	1245.8
7.5°	1243.2	1239.3	1227.0	1234.6	1232.8
10°	1228.9	1226.1	1212.8	1215.8	1212.8
12.5°	1212.8	1208.9	1189.9	1191.9	1187.3
15°	1191.2	1185.4	1165.3	1164.4	1156.0
17.5°	1168.3	1159.9	1136.0	1131.4	1124.7
20°	1140.7	1131.4	1101.0	1096.2	1087.8
22.5°	1110.5	1101.0	1069.0	1058.4	1051.6
25°	1080.1	1065.8	1030.9	1018.6	1008.2
27.5°	1046.1	1028.9	992.0	976.0	965.6
30°	1008.2	990.3	950.4	928.7	920.1
32.5°	971.1	949.5	908.7	884.1	872.8
35°	930.5	907.8	865.1	837.7	824.3
37.5°	891.6	864.1	820.5	788.5	774.9
40°	850.0	821.5	776.0	740.0	728.7
42.5°	806.2	776.9	729.4	695.5	677.4
45°	761.8	734.5	682.1	644.3	630.1
47.5°	715.2	687.1	634.7	596.0	579.8
50°	671.8	640.5	586.5	546.8	532.6
52.5°	624.3	592.3	541.9	498.3	484.1
55°	578.1	547.7	494.8	452.1	436.9
57.5°	530.6	498.3	447.3	405.5	392.3
60°	485.1	452.1	400.7	359.1	344.8
62.5°	436.9	405.5	353.5	315.5	301.3
65°	391.4	359.1	309.0	270.9	256.6
67.5°	345.7	313.7	265.2	229.4	218.1
70°	299.5	267.2	219.7	190.4	179.1
72.5°	254.0	222.7	179.1	152.6	146.1
75°	208.5	180.0	140.3	119.5	112.8
77.5°	161.9	139.2	106.0	90.2	84.4
80°	123.2	100.5	74.0	65.4	63.6
82.5°	85.2	65.4	49.4	46.2	45.5
85°	52.0	35.0	30.4	29.4	28.5
87.5°	22.0	15.1	14.2	14.2	13.2
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)