

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: P888421

Luminaire Tested: **DPT5-6FO36-127V60-F-XX-UDD_5000K**

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: P888421
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: DPT5-6FO36-127V60-F-XX-UDD_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

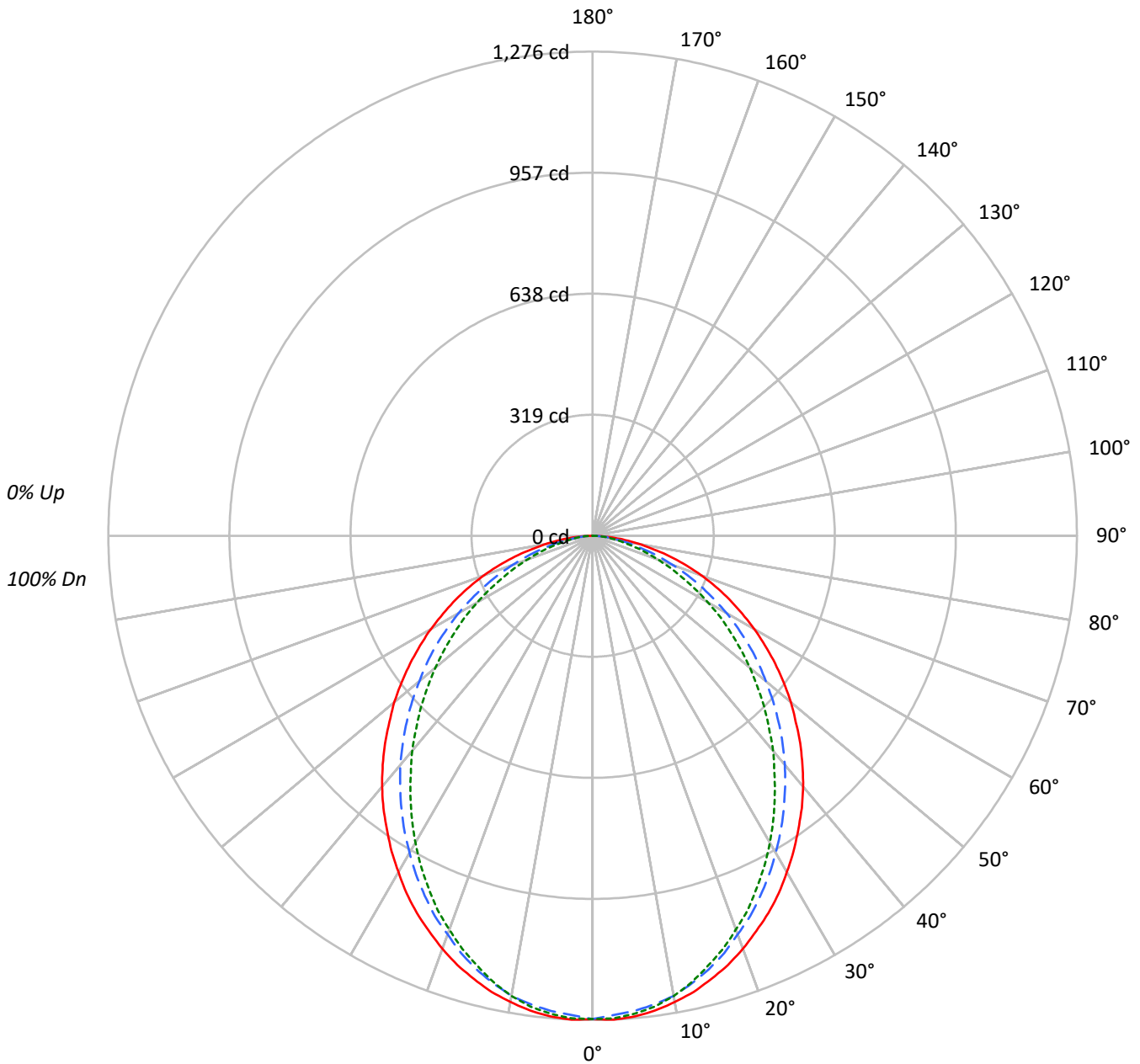
Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	12113	12113	12113
5°	12141	12002	12074
10°	12048	11890	11890
15°	11906	11648	11554
20°	11720	11312	11177
25°	11506	10982	10740
30°	11240	10595	10258
35°	10967	10196	9715
40°	10713	9781	9185
45°	10401	9314	8604
50°	10091	8809	7999
55°	9731	8329	7355
60°	9368	7738	6659
65°	8943	7059	5862
70°	8453	6201	5055
75°	7775	5233	4211
80°	6852	4113	3538
85°	5762	3372	3154



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	4.0
10°-20°	335.0	11.1
20°-30°	485.7	16.1
30°-40°	553.4	18.4
40°-50°	539.3	17.9
50°-60°	453.9	15.1
60°-70°	318.1	10.6
70°-80°	163.1	5.4
80°-90°	40.7	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°	940.5	31.3
0°-40°	1493.9	49.6
0°-60°	2487.2	82.7
0°-90°	3009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1272	1268	1257	1267	1265	121
15°	1209	1203	1183	1182	1174	341
25°	1096	1082	1046	1034	1024	505
35°	945	922	878	850	837	591
45°	773	746	692	654	640	596
55°	587	556	502	459	444	525
65°	397	364	314	275	260	393
75°	212	183	142	121	115	224
85°	53	36	31	30	29	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.6	1273.6	1273.6	1273.6	1273.6
2.5°	1276.5	1273.6	1264.0	1273.6	1272.6
5°	1271.7	1267.9	1257.2	1266.7	1264.7
7.5°	1262.1	1258.1	1245.6	1253.3	1251.5
10°	1247.6	1244.7	1231.2	1234.2	1231.2
12.5°	1231.2	1227.3	1208.0	1209.9	1205.3
15°	1209.2	1203.3	1183.0	1182.1	1173.5
17.5°	1186.0	1177.5	1153.2	1148.6	1141.8
20°	1158.0	1148.6	1117.7	1112.9	1104.3
22.5°	1127.3	1117.7	1085.2	1074.5	1067.6
25°	1096.5	1082.0	1046.5	1034.0	1023.5
27.5°	1062.0	1044.5	1007.1	990.8	980.3
30°	1023.5	1005.3	964.8	942.8	934.1
32.5°	985.8	963.9	922.5	897.5	886.1
35°	944.6	921.6	878.2	850.4	836.8
37.5°	905.2	877.2	832.9	800.4	786.7
40°	862.9	834.0	787.8	751.2	739.8
42.5°	818.5	788.7	740.5	706.1	687.7
45°	773.3	745.7	692.5	654.1	639.7
47.5°	726.0	697.5	644.3	605.1	588.6
50°	682.0	650.2	595.4	555.1	540.6
52.5°	633.8	601.3	550.1	505.9	491.4
55°	586.9	556.0	502.3	458.9	443.6
57.5°	538.7	505.9	454.1	411.6	398.3
60°	492.5	458.9	406.8	364.5	350.1
62.5°	443.6	411.6	358.8	320.3	305.8
65°	397.4	364.5	313.7	275.0	260.5
67.5°	351.0	318.5	269.3	232.9	221.4
70°	304.0	271.2	223.0	193.2	181.8
72.5°	257.8	226.1	181.8	154.9	148.3
75°	211.6	182.7	142.4	121.3	114.6
77.5°	164.3	141.3	107.6	91.5	85.6
80°	125.1	102.1	75.1	66.4	64.6
82.5°	86.5	66.4	50.1	46.9	46.2
85°	52.8	35.5	30.9	29.8	28.9
87.5°	22.3	15.3	14.5	14.5	13.4
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)