

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: P888146

Luminaire Tested: **DPT5-6FO36-127V60-A-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: P888146
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-A-XX-UDD_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

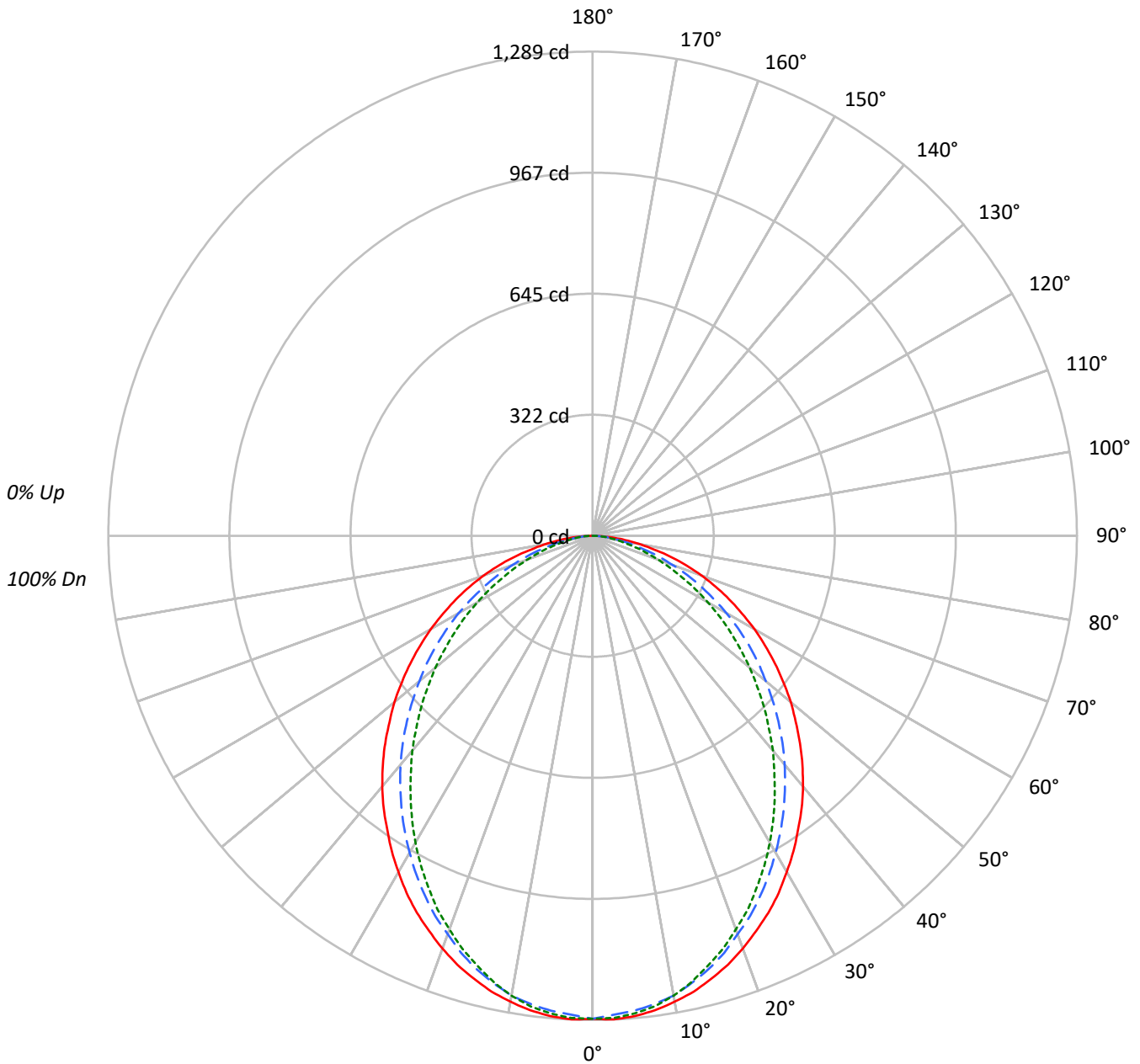
Lumens per Lamp: N/A
Luminaire Lumens: 3038.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	12230	12230	12230
5°	12257	12119	12190
10°	12164	12004	12004
15°	12021	11760	11667
20°	11833	11421	11285
25°	11617	11088	10844
30°	11349	10697	10357
35°	11073	10295	9809
40°	10816	9875	9273
45°	10502	9404	8686
50°	10187	8895	8077
55°	9824	8408	7427
60°	9457	7812	6724
65°	9029	7127	5919
70°	8537	6262	5105
75°	7853	5284	4252
80°	6917	4151	3571
85°	5816	3405	3186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	4.0
10°-20°	338.2	11.1
20°-30°	490.4	16.1
30°-40°	558.7	18.4
40°-50°	544.5	17.9
50°-60°	458.3	15.1
60°-70°	321.2	10.6
70°-80°	164.7	5.4
80°-90°	41.1	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°	949.6	31.3
0°-40°	1508.3	49.6
0°-60°	2511.1	82.7
0°-90°	3038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1284	1280	1269	1279	1277	122
15°	1221	1215	1194	1194	1185	344
25°	1107	1092	1057	1044	1033	510
35°	954	930	887	859	845	597
45°	781	753	699	660	646	602
55°	592	561	507	463	448	530
65°	401	368	317	278	263	397
75°	214	184	144	122	116	226
85°	53	36	31	30	29	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1285.9	1285.9	1285.9	1285.9	1285.9
2.5°	1288.8	1285.9	1276.2	1285.9	1284.8
5°	1283.9	1280.2	1269.4	1278.9	1276.9
7.5°	1274.2	1270.3	1257.6	1265.4	1263.6
10°	1259.6	1256.7	1243.0	1246.1	1243.0
12.5°	1243.0	1239.1	1219.6	1221.6	1216.9
15°	1220.9	1214.9	1194.4	1193.5	1184.9
17.5°	1197.5	1188.8	1164.3	1159.6	1152.8
20°	1169.2	1159.6	1128.5	1123.6	1115.0
22.5°	1138.2	1128.5	1095.7	1084.9	1077.8
25°	1107.0	1092.4	1056.6	1044.0	1033.4
27.5°	1072.3	1054.6	1016.8	1000.4	989.8
30°	1033.4	1015.0	974.1	951.9	943.1
32.5°	995.3	973.2	931.4	906.2	894.6
35°	953.7	930.5	886.7	858.6	844.9
37.5°	913.9	885.6	840.9	808.2	794.3
40°	871.2	842.0	795.4	758.4	746.9
42.5°	826.4	796.3	747.6	712.9	694.3
45°	780.8	752.9	699.2	660.4	645.8
47.5°	733.0	704.2	650.5	610.9	594.3
50°	688.5	656.5	601.2	560.5	545.9
52.5°	639.9	607.1	555.4	510.7	496.1
55°	592.5	561.4	507.1	463.4	447.9
57.5°	543.9	510.7	458.5	415.6	402.1
60°	497.2	463.4	410.7	368.1	353.5
62.5°	447.9	415.6	362.3	323.4	308.8
65°	401.2	368.1	316.7	277.6	263.0
67.5°	354.4	321.6	271.8	235.1	223.6
70°	307.0	273.8	225.2	195.1	183.6
72.5°	260.3	228.3	183.6	156.4	149.7
75°	213.7	184.5	143.8	122.5	115.7
77.5°	165.9	142.7	108.6	92.4	86.5
80°	126.3	103.0	75.8	67.0	65.2
82.5°	87.4	67.0	50.6	47.4	46.7
85°	53.3	35.9	31.2	30.1	29.2
87.5°	22.5	15.5	14.6	14.6	13.5
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)