

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: P888144

Luminaire Tested: **DPT5-6FO36-127V60-A-XX-UDD_4000K**

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: P888144
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_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

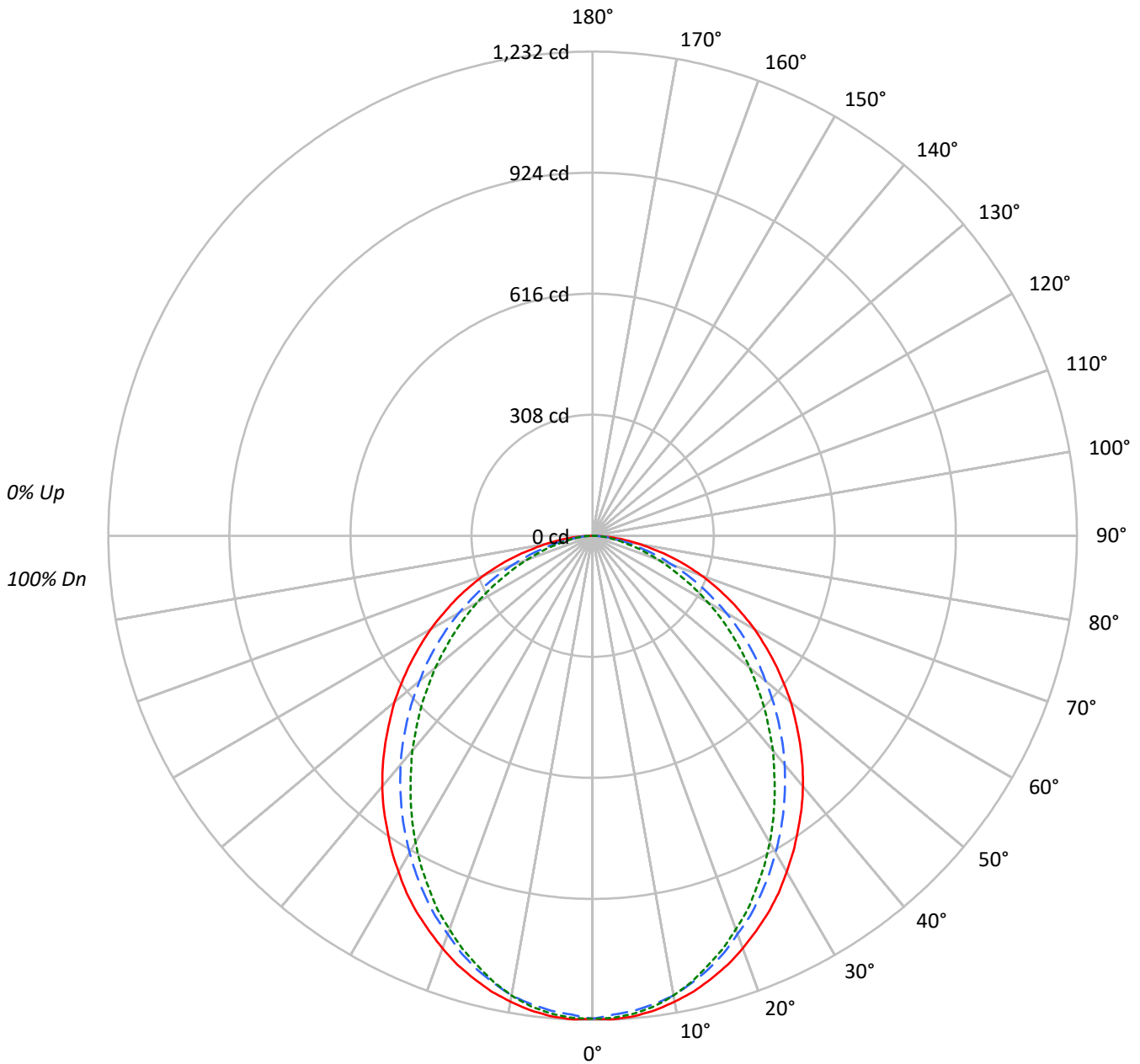
Lumens per Lamp: N/A
Luminaire Lumens: 2903.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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					20					
RC	80					70					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°	11687	11687	11687
5°	11713	11579	11649
10°	11623	11471	11471
15°	11486	11237	11148
20°	11307	10913	10783
25°	11100	10594	10362
30°	10843	10222	9897
35°	10580	9837	9374
40°	10336	9436	8861
45°	10035	8986	8300
50°	9734	8500	7717
55°	9388	8035	7097
60°	9037	7466	6425
65°	8628	6810	5655
70°	8156	5984	4877
75°	7504	5049	4060
80°	6611	3971	3412
85°	5565	3252	3044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	4.0
10°-20°	323.2	11.1
20°-30°	468.6	16.1
30°-40°	533.9	18.4
40°-50°	520.3	17.9
50°-60°	437.9	15.1
60°-70°	306.9	10.6
70°-80°	157.3	5.4
80°-90°	39.2	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°	907.4	31.3
0°-40°	1441.3	49.6
0°-60°	2399.5	82.7
0°-90°	2903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1229	1229	1229	1229	1229	
5°	1227	1223	1213	1222	1220	116
15°	1167	1161	1141	1140	1132	329
25°	1058	1044	1010	998	987	487
35°	911	889	847	820	807	571
45°	746	719	668	631	617	575
55°	566	536	485	443	428	506
65°	383	352	303	265	251	380
75°	204	176	137	117	110	216
85°	51	34	30	29	28	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1228.8	1228.8	1228.8	1228.8	1228.8
2.5°	1231.5	1228.8	1219.5	1228.8	1227.7
5°	1226.9	1223.3	1212.9	1222.1	1220.2
7.5°	1217.6	1213.8	1201.8	1209.2	1207.4
10°	1203.6	1200.9	1187.8	1190.7	1187.8
12.5°	1187.8	1184.0	1165.4	1167.3	1162.8
15°	1166.6	1161.0	1141.3	1140.5	1132.2
17.5°	1144.3	1136.0	1112.6	1108.1	1101.6
20°	1117.2	1108.1	1078.3	1073.7	1065.4
22.5°	1087.6	1078.3	1047.0	1036.7	1030.0
25°	1057.8	1043.9	1009.6	997.6	987.4
27.5°	1024.6	1007.7	971.6	955.9	945.8
30°	987.4	969.9	930.8	909.6	901.2
32.5°	951.1	929.9	890.0	865.9	854.9
35°	911.3	889.1	847.3	820.4	807.4
37.5°	873.3	846.3	803.6	772.2	759.0
40°	832.5	804.6	760.0	724.7	713.7
42.5°	789.6	760.9	714.4	681.2	663.5
45°	746.1	719.4	668.1	631.1	617.1
47.5°	700.5	672.9	621.6	583.7	567.9
50°	657.9	627.3	574.5	535.5	521.6
52.5°	611.5	580.1	530.7	488.0	474.1
55°	566.2	536.4	484.6	442.8	428.0
57.5°	519.7	488.0	438.1	397.1	384.2
60°	475.1	442.8	392.5	351.7	337.8
62.5°	428.0	397.1	346.2	309.0	295.1
65°	383.4	351.7	302.6	265.3	251.3
67.5°	338.6	307.3	259.8	224.7	213.6
70°	293.3	261.7	215.2	186.4	175.4
72.5°	248.8	218.1	175.4	149.4	143.1
75°	204.2	176.3	137.4	117.1	110.5
77.5°	158.5	136.3	103.8	88.3	82.6
80°	120.7	98.5	72.5	64.0	62.3
82.5°	83.5	64.0	48.4	45.3	44.6
85°	51.0	34.3	29.8	28.7	27.9
87.5°	21.5	14.8	13.9	13.9	12.9
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)