

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: P888147

Luminaire Tested: **DPT5-6FO36-127V60-A-XX-UDD_6500K**

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: P888147
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_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

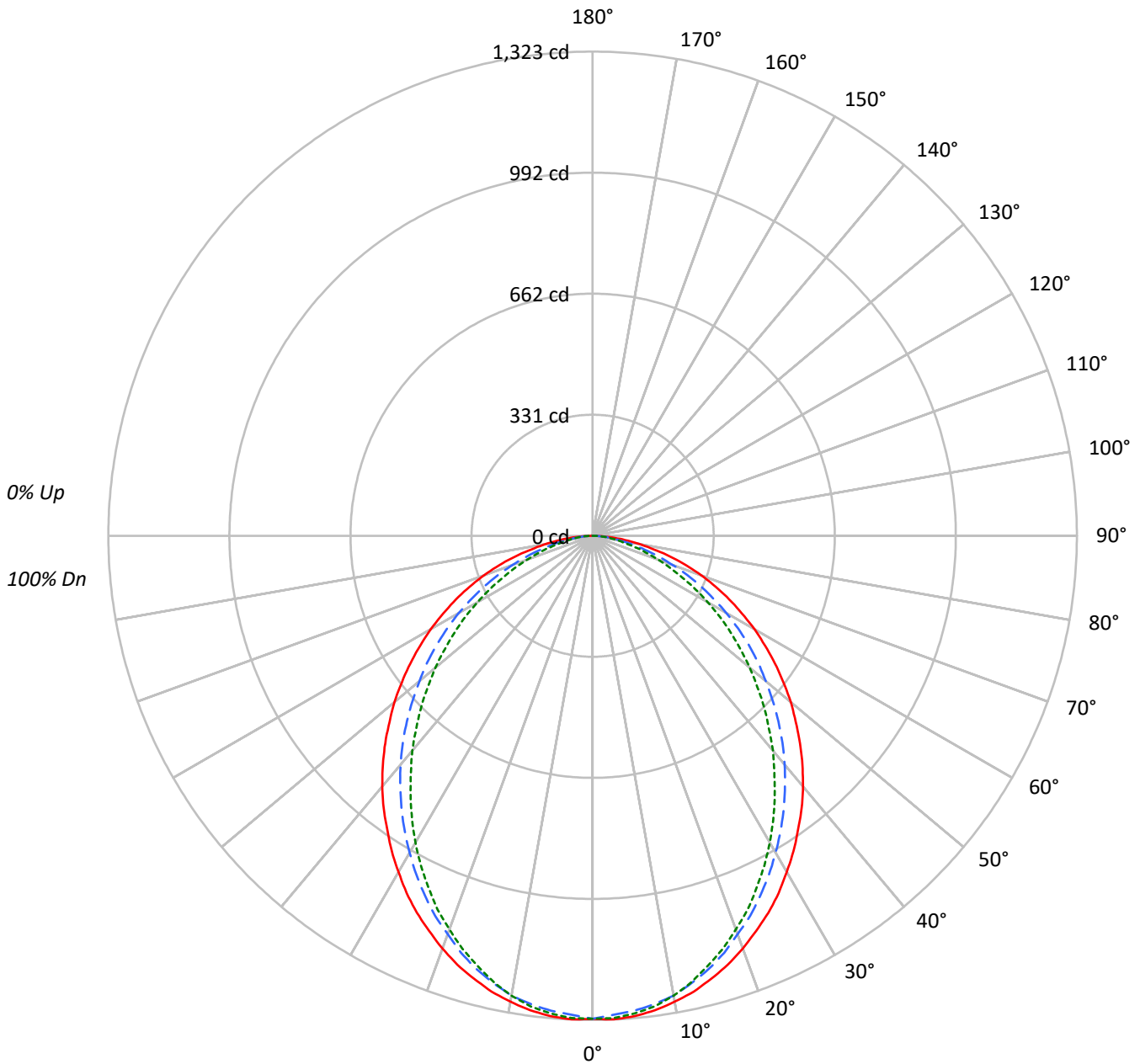
Lumens per Lamp: N/A
Luminaire Lumens: 3118.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	12552	12552	12552
5°	12581	12438	12511
10°	12485	12321	12321
15°	12337	12070	11974
20°	12145	11722	11581
25°	11923	11379	11130
30°	11647	10979	10629
35°	11364	10566	10068
40°	11102	10134	9517
45°	10777	9652	8916
50°	10456	9129	8289
55°	10083	8630	7622
60°	9706	8019	6901
65°	9267	7314	6074
70°	8762	6426	5239
75°	8058	5420	4362
80°	7098	4261	3664
85°	5969	3492	3274



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	4.0
10°-20°	347.1	11.1
20°-30°	503.3	16.1
30°-40°	573.4	18.4
40°-50°	558.9	17.9
50°-60°	470.4	15.1
60°-70°	329.6	10.6
70°-80°	169.0	5.4
80°-90°	42.2	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°	974.6	31.3
0°-40°	1548.0	49.6
0°-60°	2577.3	82.7
0°-90°	3118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1318	1314	1303	1313	1310	125
15°	1253	1247	1226	1225	1216	353
25°	1136	1121	1084	1072	1061	523
35°	979	955	910	881	867	613
45°	801	773	718	678	663	618
55°	608	576	520	476	460	544
65°	412	378	325	285	270	408
75°	219	189	148	126	119	232
85°	55	37	32	31	30	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1319.8	1319.8	1319.8	1319.8	1319.8
2.5°	1322.7	1319.8	1309.8	1319.8	1318.7
5°	1317.8	1313.9	1302.8	1312.6	1310.5
7.5°	1307.8	1303.7	1290.8	1298.7	1296.9
10°	1292.8	1289.8	1275.8	1278.9	1275.8
12.5°	1275.8	1271.7	1251.7	1253.8	1249.0
15°	1253.0	1246.9	1225.9	1224.9	1216.1
17.5°	1229.0	1220.1	1195.0	1190.2	1183.1
20°	1200.0	1190.2	1158.2	1153.2	1144.3
22.5°	1168.2	1158.2	1124.5	1113.4	1106.2
25°	1136.2	1121.2	1084.4	1071.5	1060.6
27.5°	1100.5	1082.4	1043.6	1026.7	1015.8
30°	1060.6	1041.7	999.7	977.0	967.9
32.5°	1021.5	998.8	955.9	930.0	918.2
35°	978.8	955.0	910.1	881.2	867.2
37.5°	938.0	908.9	863.1	829.4	815.2
40°	894.2	864.2	816.3	778.4	766.6
42.5°	848.1	817.2	767.3	731.6	712.6
45°	801.3	772.7	717.6	677.8	662.9
47.5°	752.3	722.8	667.7	627.0	610.0
50°	706.7	673.8	617.0	575.2	560.2
52.5°	656.7	623.1	570.0	524.2	509.2
55°	608.1	576.1	520.5	475.6	459.7
57.5°	558.2	524.2	470.6	426.6	412.7
60°	510.3	475.6	421.6	377.7	362.8
62.5°	459.7	426.6	371.8	331.9	316.9
65°	411.8	377.7	325.0	284.9	269.9
67.5°	363.7	330.0	279.0	241.3	229.5
70°	315.1	281.0	231.1	200.2	188.4
72.5°	267.2	234.3	188.4	160.5	153.6
75°	219.3	189.3	147.5	125.7	118.7
77.5°	170.3	146.4	111.5	94.9	88.7
80°	129.6	105.8	77.8	68.8	66.9
82.5°	89.7	68.8	52.0	48.6	47.9
85°	54.7	36.8	32.0	30.9	30.0
87.5°	23.1	15.9	15.0	15.0	13.9
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)