

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: P888287

Luminaire Tested: **DPT5-6FO55-85V60-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: P888287
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: DPT5-6FO55-85V60-A-XX-UDD_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

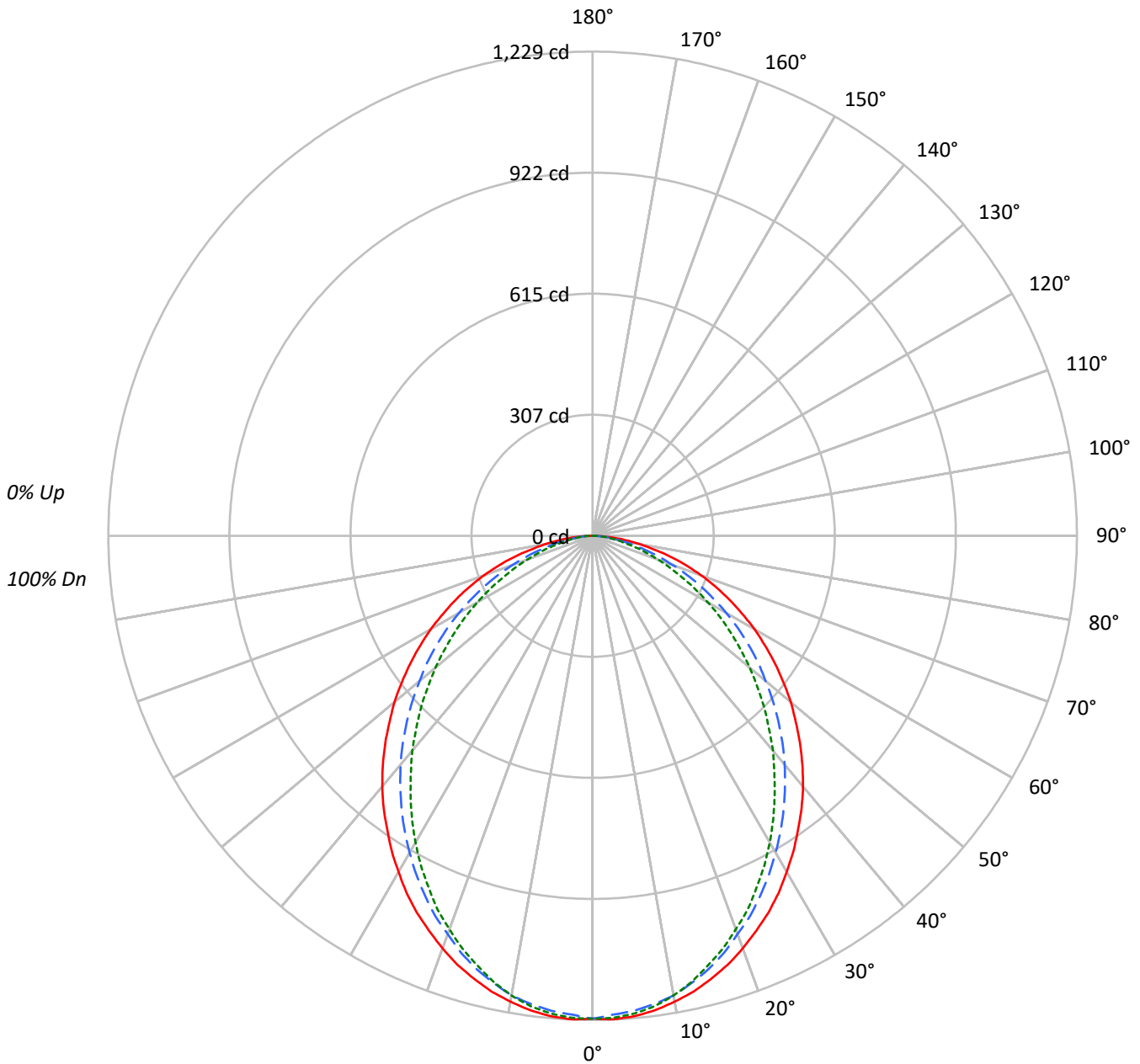
Lumens per Lamp: N/A
Luminaire Lumens: 2896.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
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°	7828	7828	7828
5°	7846	7757	7803
10°	7786	7684	7684
15°	7695	7528	7468
20°	7574	7311	7223
25°	7436	7097	6942
30°	7264	6848	6629
35°	7088	6590	6279
40°	6924	6321	5936
45°	6722	6020	5561
50°	6522	5694	5169
55°	6289	5382	4753
60°	6054	5000	4303
65°	5779	4562	3788
70°	5464	4009	3268
75°	5026	3380	2722
80°	4428	2659	2288
85°	3722	2176	2037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	4.0
10°-20°	322.4	11.1
20°-30°	467.5	16.1
30°-40°	532.6	18.4
40°-50°	519.1	17.9
50°-60°	436.9	15.1
60°-70°	306.1	10.6
70°-80°	157.0	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°	905.2	31.3
0°-40°	1437.8	49.6
0°-60°	2393.8	82.7
0°-90°	2896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1224	1220	1210	1219	1217	116
15°	1164	1158	1139	1138	1130	328
25°	1055	1041	1007	995	985	486
35°	909	887	845	818	805	569
45°	744	718	666	630	616	574
55°	565	535	483	442	427	505
65°	382	351	302	265	251	379
75°	204	176	137	117	110	215
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°	1225.8	1225.8	1225.8	1225.8	1225.8
2.5°	1228.6	1225.8	1216.5	1225.8	1224.8
5°	1223.9	1220.3	1210.0	1219.1	1217.2
7.5°	1214.7	1210.9	1198.9	1206.2	1204.5
10°	1200.7	1198.0	1184.9	1187.9	1184.9
12.5°	1184.9	1181.2	1162.6	1164.5	1160.0
15°	1163.8	1158.2	1138.6	1137.7	1129.5
17.5°	1141.5	1133.3	1109.9	1105.4	1098.9
20°	1114.5	1105.4	1075.7	1071.1	1062.8
22.5°	1085.0	1075.7	1044.5	1034.2	1027.5
25°	1055.3	1041.4	1007.2	995.2	985.1
27.5°	1022.1	1005.3	969.3	953.6	943.5
30°	985.1	967.5	928.6	907.4	899.0
32.5°	948.8	927.7	887.9	863.8	852.8
35°	909.1	887.0	845.3	818.5	805.4
37.5°	871.2	844.2	801.6	770.4	757.2
40°	830.5	802.7	758.2	723.0	712.0
42.5°	787.7	759.1	712.7	679.5	661.9
45°	744.3	717.7	666.5	629.6	615.7
47.5°	698.8	671.3	620.1	582.3	566.5
50°	656.4	625.8	573.1	534.3	520.3
52.5°	610.0	578.7	529.4	486.9	472.9
55°	564.8	535.1	483.4	441.7	426.9
57.5°	518.5	486.9	437.1	396.2	383.3
60°	474.0	441.7	391.5	350.8	336.9
62.5°	426.9	396.2	345.4	308.3	294.3
65°	382.4	350.8	301.9	264.6	250.7
67.5°	337.8	306.5	259.1	224.1	213.1
70°	292.6	261.0	214.7	186.0	175.0
72.5°	248.2	217.6	175.0	149.1	142.7
75°	203.7	175.9	137.0	116.8	110.3
77.5°	158.2	136.0	103.6	88.1	82.4
80°	120.4	98.2	72.3	63.9	62.2
82.5°	83.3	63.9	48.3	45.2	44.5
85°	50.8	34.2	29.7	28.7	27.8
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)