

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: P888226

Luminaire Tested: **DPT5-6FO44-85S30-A-XX-UDD**

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: P888226
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: DPT5-6FO44-85S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

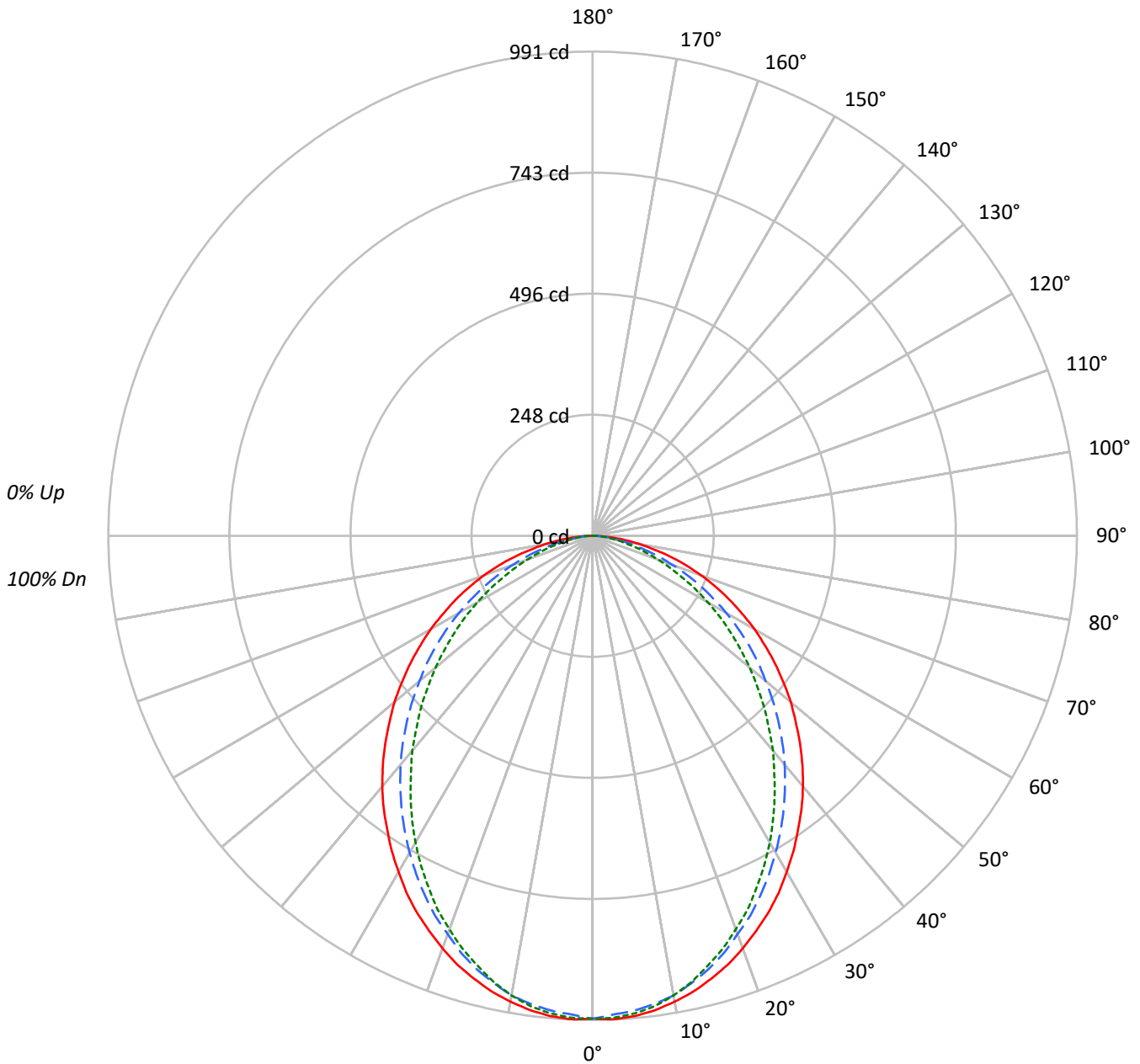
Lumens per Lamp: N/A
Luminaire Lumens: 2335.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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°	7641	7641	7641
5°	7658	7571	7616
10°	7600	7500	7500
15°	7510	7347	7289
20°	7393	7135	7050
25°	7258	6927	6775
30°	7090	6683	6471
35°	6918	6432	6129
40°	6757	6169	5794
45°	6561	5875	5427
50°	6365	5558	5045
55°	6138	5254	4639
60°	5909	4881	4201
65°	5641	4452	3699
70°	5332	3913	3189
75°	4905	3301	2655
80°	4323	2596	2230
85°	3637	2129	1987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	4.0
10°-20°	259.9	11.1
20°-30°	376.9	16.1
30°-40°	429.4	18.4
40°-50°	418.5	17.9
50°-60°	352.2	15.1
60°-70°	246.8	10.6
70°-80°	126.6	5.4
80°-90°	31.6	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°	729.9	31.3
0°-40°	1159.3	49.6
0°-60°	1930.0	82.7
0°-90°	2335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2335.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	987	984	976	983	981	94
15°	938	934	918	917	911	265
25°	851	840	812	802	794	392
35°	733	715	682	660	649	459
45°	600	579	537	508	496	463
55°	455	432	390	356	344	407
65°	308	283	243	213	202	305
75°	164	142	110	94	89	174
85°	41	28	24	23	22	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.4	988.4	988.4	988.4	988.4
2.5°	990.6	988.4	980.9	988.4	987.5
5°	986.8	983.9	975.6	983.0	981.4
7.5°	979.4	976.3	966.6	972.6	971.2
10°	968.1	965.9	955.4	957.8	955.4
12.5°	955.4	952.4	937.4	938.9	935.3
15°	938.4	933.8	918.0	917.3	910.7
17.5°	920.4	913.7	894.9	891.3	886.0
20°	898.6	891.3	867.3	863.6	857.0
22.5°	874.8	867.3	842.1	833.8	828.4
25°	850.9	839.6	812.1	802.4	794.2
27.5°	824.1	810.6	781.5	768.9	760.7
30°	794.2	780.1	748.7	731.6	724.9
32.5°	765.0	748.0	715.9	696.5	687.6
35°	733.0	715.2	681.5	659.9	649.4
37.5°	702.4	680.7	646.4	621.2	610.5
40°	669.6	647.2	611.3	582.9	574.1
42.5°	635.1	612.0	574.6	547.9	533.6
45°	600.1	578.6	537.4	507.6	496.4
47.5°	563.4	541.3	500.0	469.5	456.8
50°	529.2	504.6	462.1	430.8	419.5
52.5°	491.8	466.6	426.9	392.5	381.3
55°	455.4	431.5	389.8	356.1	344.2
57.5°	418.0	392.5	352.4	319.4	309.1
60°	382.2	356.1	315.7	282.9	271.7
62.5°	344.2	319.4	278.5	248.5	237.3
65°	308.4	282.9	243.4	213.4	202.2
67.5°	272.4	247.2	208.9	180.7	171.8
70°	235.9	210.5	173.1	150.0	141.1
72.5°	200.1	175.4	141.1	120.2	115.1
75°	164.2	141.8	110.5	94.2	88.9
77.5°	127.5	109.7	83.5	71.0	66.5
80°	97.1	79.2	58.3	51.5	50.1
82.5°	67.2	51.5	38.9	36.4	35.9
85°	41.0	27.6	24.0	23.1	22.4
87.5°	17.3	11.9	11.2	11.2	10.4
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)