

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: P888443

Luminaire Tested: **DPT5-6FO36-61V60-F-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: P888443  
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: DPT5-6FO36-61V60-F-XX-UDD\_5000K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

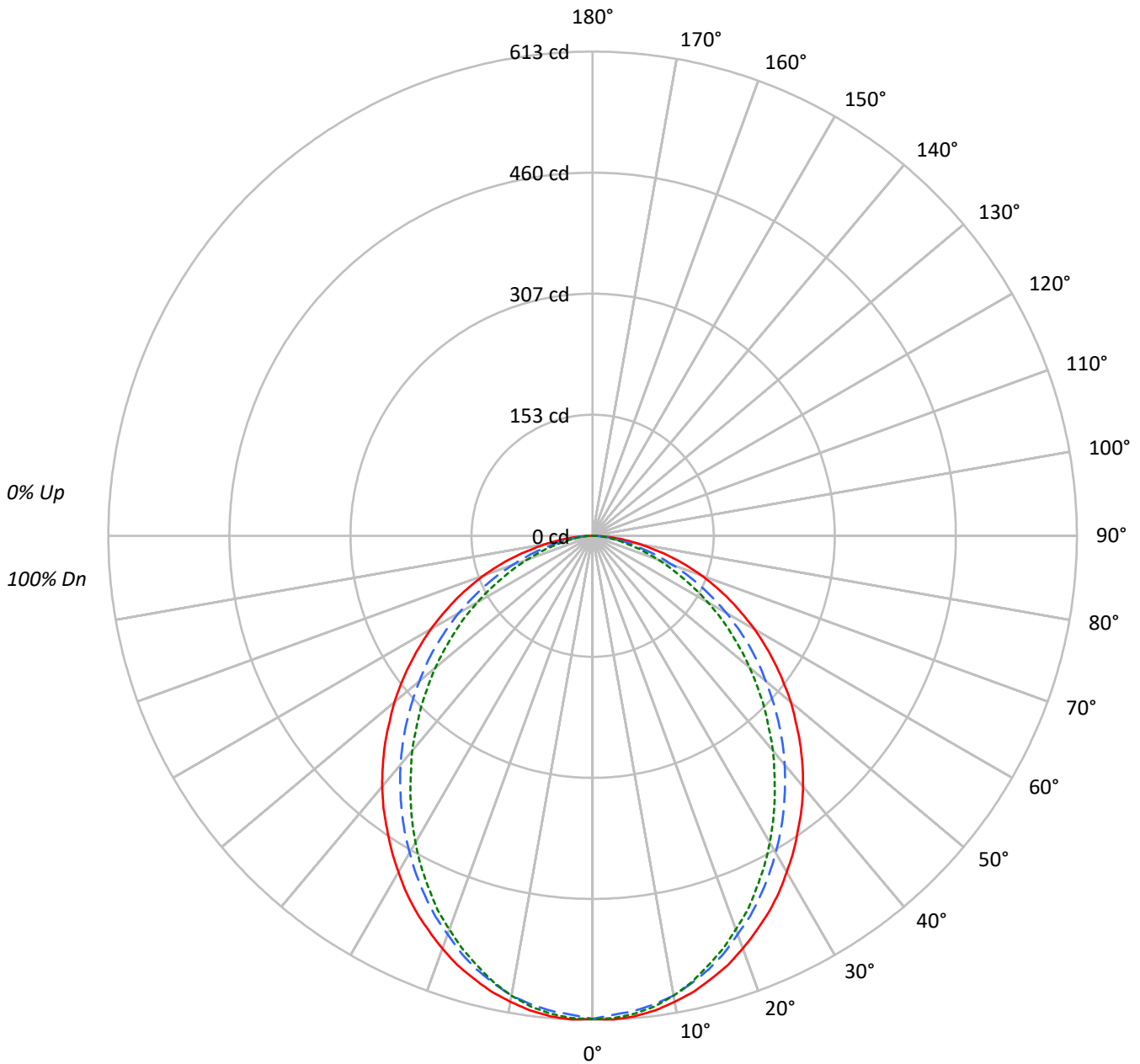
Lumens per Lamp: N/A  
Luminaire Lumens: 1445.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5817	5817	5817
5°	5830	5764	5799
10°	5786	5709	5709
15°	5718	5594	5549
20°	5628	5432	5367
25°	5526	5274	5158
30°	5398	5088	4926
35°	5266	4897	4666
40°	5145	4697	4411
45°	4995	4473	4132
50°	4846	4230	3841
55°	4673	3999	3532
60°	4498	3717	3197
65°	4294	3389	2815
70°	4060	2978	2428
75°	3733	2513	2021
80°	3292	1977	1698
85°	2772	1615	1517



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	4.0
10°-20°	160.9	11.1
20°-30°	233.2	16.1
30°-40°	265.7	18.4
40°-50°	259.0	17.9
50°-60°	218.0	15.1
60°-70°	152.7	10.6
70°-80°	78.3	5.4
80°-90°	19.5	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°	451.7	31.3
0°-40°	717.4	49.6
0°-60°	1194.4	82.7
0°-90°	1445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	612	612	612	612	612	
5°	611	609	604	608	607	58
15°	581	578	568	568	564	164
25°	527	520	503	497	492	242
35°	454	443	422	408	402	284
45°	371	358	333	314	307	286
55°	282	267	241	220	213	252
65°	191	175	151	132	125	189
75°	102	88	68	58	55	107
85°	25	17	15	14	14	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	611.6	611.6	611.6	611.6	611.6
2.5°	613.0	611.6	607.0	611.6	611.1
5°	610.7	608.9	603.8	608.3	607.4
7.5°	606.1	604.2	598.2	601.9	601.0
10°	599.1	597.8	591.2	592.7	591.2
12.5°	591.2	589.4	580.1	581.0	578.8
15°	580.7	577.9	568.1	567.7	563.6
17.5°	569.6	565.5	553.8	551.6	548.3
20°	556.1	551.6	536.7	534.4	530.3
22.5°	541.4	536.7	521.2	516.0	512.7
25°	526.6	519.6	502.6	496.6	491.5
27.5°	510.0	501.6	483.6	475.8	470.8
30°	491.5	482.8	463.3	452.8	448.6
32.5°	473.4	462.9	443.0	431.0	425.5
35°	453.6	442.6	421.8	408.4	401.9
37.5°	434.7	421.2	400.0	384.4	377.8
40°	414.4	400.5	378.3	360.7	355.3
42.5°	393.0	378.7	355.6	339.1	330.2
45°	371.4	358.1	332.6	314.1	307.2
47.5°	348.7	335.0	309.4	290.6	282.7
50°	327.5	312.2	285.9	266.6	259.6
52.5°	304.4	288.8	264.2	242.9	236.0
55°	281.8	267.0	241.2	220.4	213.0
57.5°	258.7	242.9	218.1	197.7	191.3
60°	236.5	220.4	195.4	175.1	168.1
62.5°	213.0	197.7	172.3	153.8	146.9
65°	190.8	175.1	150.6	132.0	125.1
67.5°	168.5	153.0	129.3	111.8	106.3
70°	146.0	130.2	107.1	92.8	87.3
72.5°	123.8	108.6	87.3	74.4	71.2
75°	101.6	87.7	68.4	58.3	55.0
77.5°	78.9	67.9	51.7	44.0	41.1
80°	60.1	49.0	36.1	31.9	31.0
82.5°	41.6	31.9	24.1	22.5	22.2
85°	25.4	17.1	14.8	14.3	13.9
87.5°	10.7	7.4	6.9	6.9	6.4
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)