

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: P888437

Luminaire Tested: **DPT5-6FO36-61S40-F-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: P888437
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: DPT5-6FO36-61S40-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

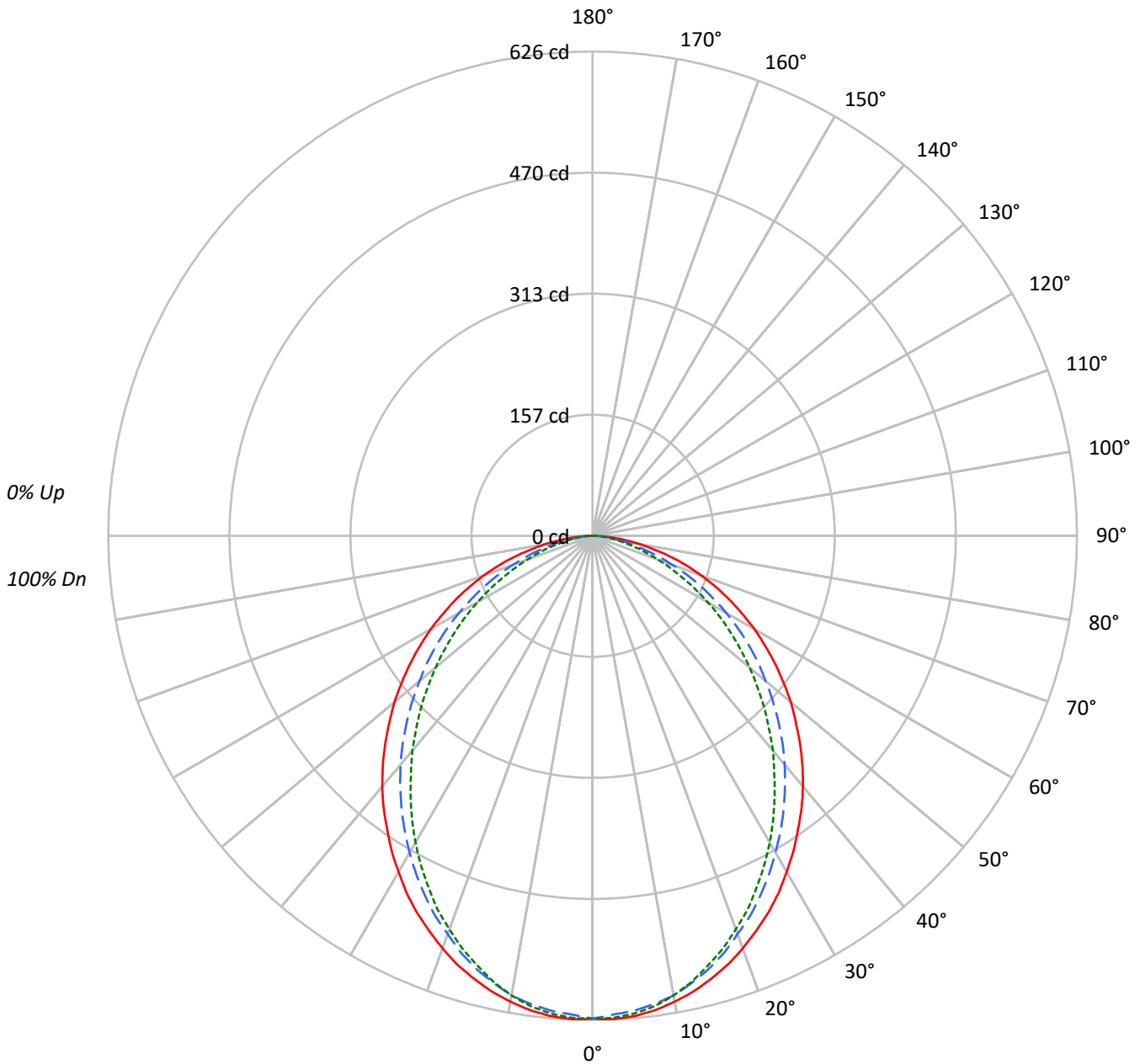
Lumens per Lamp: N/A
Luminaire Lumens: 1475.0 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{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

TEST NUMBER: P888437

CATALOG NUMBER: DPT5-6FO36-61S40-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888437

CATALOG NUMBER: DPT5-6FO36-61S40-F-XX-UDD

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°	5937	5937	5937
5°	5952	5884	5919
10°	5906	5828	5828
15°	5837	5710	5664
20°	5746	5545	5478
25°	5640	5383	5265
30°	5510	5193	5029
35°	5376	4998	4763
40°	5252	4795	4502
45°	5099	4566	4218
50°	4946	4319	3921
55°	4770	4082	3605
60°	4592	3793	3264
65°	4384	3461	2874
70°	4143	3039	2478
75°	3811	2565	2065
80°	3357	2016	1736
85°	2826	1648	1550



TEST NUMBER: P888437

CATALOG NUMBER: DPT5-6FO36-61S40-F-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	4.0
10°-20°	164.2	11.1
20°-30°	238.1	16.1
30°-40°	271.3	18.4
40°-50°	264.4	17.9
50°-60°	222.5	15.1
60°-70°	155.9	10.6
70°-80°	79.9	5.4
80°-90°	19.9	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°	461.0	31.3
0°-40°	732.3	49.6
0°-60°	1219.2	82.7
0°-90°	1475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	623	622	616	621	620	59
15°	593	590	580	580	575	167
25°	538	530	513	507	502	247
35°	463	452	430	417	410	290
45°	379	366	340	321	314	292
55°	288	272	246	225	217	257
65°	195	179	154	135	128	193
75°	104	90	70	60	56	110
85°	26	17	15	15	14	30
90°	0	0	0	0	0	



TEST NUMBER: P888437

CATALOG NUMBER: DPT5-6FO36-61S40-F-XX-UDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.3	624.3	624.3	624.3	624.3
2.5°	625.7	624.3	619.6	624.3	623.8
5°	623.4	621.5	616.3	620.9	620.0
7.5°	618.7	616.7	610.6	614.4	613.5
10°	611.6	610.2	603.5	605.0	603.5
12.5°	603.5	601.6	592.1	593.1	590.8
15°	592.8	589.9	579.9	579.5	575.3
17.5°	581.4	577.2	565.3	563.0	559.7
20°	567.7	563.0	547.9	545.5	541.3
22.5°	552.6	547.9	532.0	526.7	523.3
25°	537.5	530.4	513.0	506.9	501.7
27.5°	520.6	512.0	493.7	485.7	480.5
30°	501.7	492.8	472.9	462.2	457.9
32.5°	483.3	472.5	452.2	440.0	434.4
35°	463.0	451.8	430.5	416.9	410.2
37.5°	443.7	430.0	408.3	392.4	385.6
40°	423.0	408.8	386.2	368.2	362.6
42.5°	401.2	386.6	363.0	346.1	337.1
45°	379.1	365.5	339.5	320.7	313.6
47.5°	355.9	341.9	315.8	296.6	288.6
50°	334.3	318.7	291.9	272.1	265.0
52.5°	310.7	294.8	269.7	248.0	240.9
55°	287.7	272.5	246.2	225.0	217.4
57.5°	264.1	248.0	222.6	201.8	195.2
60°	241.4	225.0	199.4	178.7	171.6
62.5°	217.4	201.8	175.9	157.0	149.9
65°	194.8	178.7	153.8	134.8	127.7
67.5°	172.0	156.1	132.0	114.1	108.5
70°	149.0	132.9	109.3	94.7	89.1
72.5°	126.4	110.8	89.1	75.9	72.7
75°	103.7	89.6	69.8	59.5	56.2
77.5°	80.6	69.3	52.7	44.9	42.0
80°	61.3	50.0	36.8	32.5	31.7
82.5°	42.4	32.5	24.6	23.0	22.7
85°	25.9	17.4	15.1	14.6	14.2
87.5°	10.9	7.5	7.1	7.1	6.6
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)