

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P204392

Luminaire Tested: **LE_6B30D010 EC6B30509727 6LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B30D010 EC6B30509727 6LBSGPH1
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2520.6 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.26
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

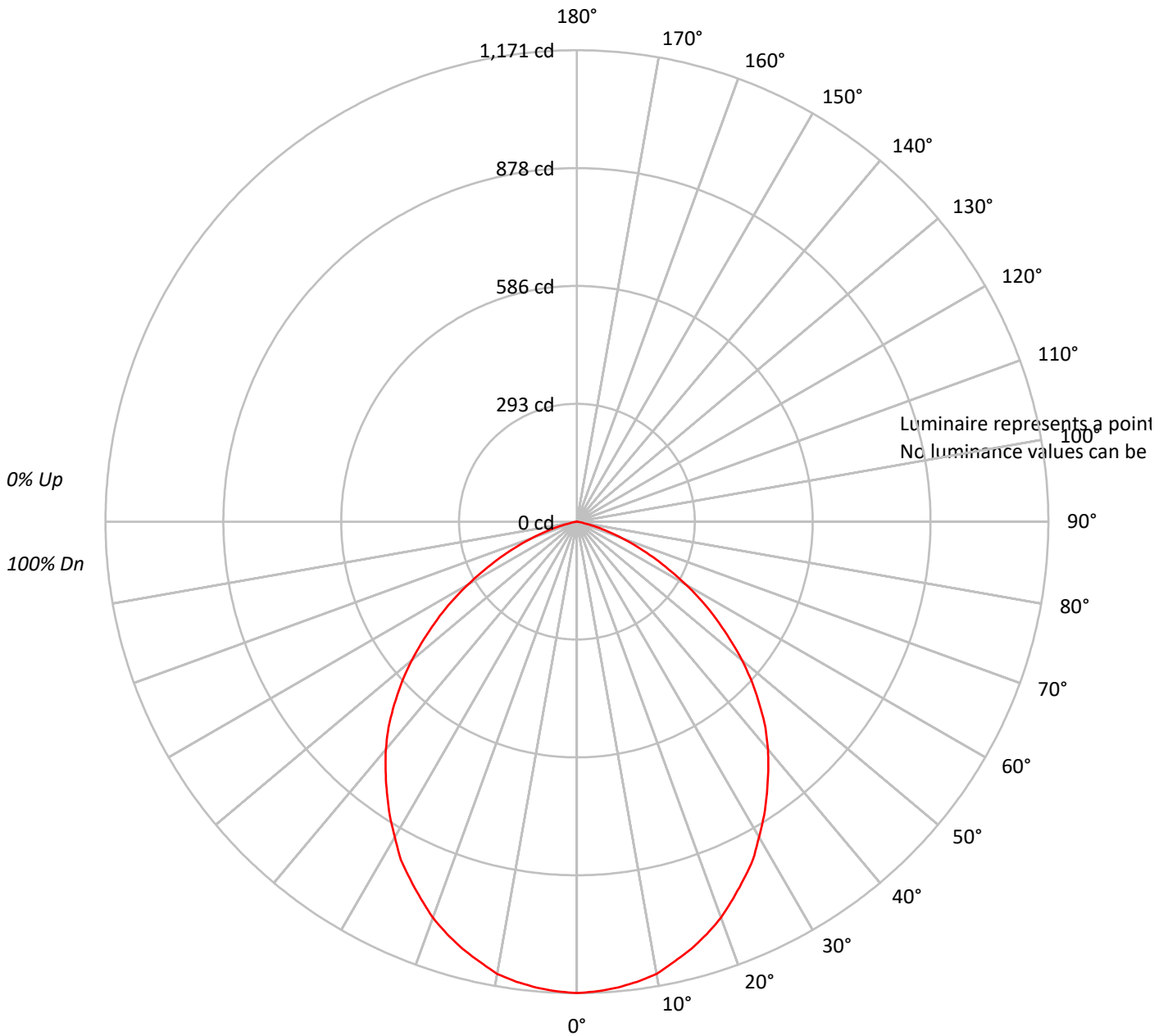
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	91	90	88	88	88	88	88	88		
	2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76	76	76		
	3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66	66	66	66	66	66		
	4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57	57	57	57	57	57		
	5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50	50	50	50	50	50		
	6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45	45	45	45	45	45		
	7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40	40	40	40	40	40		
	8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36	36	36	36	36	36		
	9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32	32	32	32	32	32		
	10	57	44	37	32	56	44	36	32	43	36	31	42	36	31	41	35	31	30	30	30	30	30	30		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	4.4
10°-20°	309.4	12.3
20°-30°	451.3	17.9
30°-40°	514.6	20.4
40°-50°	493.6	19.6
50°-60°	378.0	15.0
60°-70°	207.5	8.2
70°-80°	55.1	2.2
80°-90°	0.8	0.0
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°	870.9	34.6
0°-40°	1385.5	55.0
0°-60°	2257.1	89.5
0°-90°	2520.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2520.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1171	
5°	1162	110
15°	1098	309
25°	980	451
35°	823	515
45°	641	494
55°	424	378
65°	209	207
75°	48	55
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1170.8
2.5°	1167.6
5°	1161.6
7.5°	1152.5
10°	1140.5
12.5°	1119.2
15°	1098.1
17.5°	1073.9
20°	1046.6
22.5°	1013.4
25°	980.1
27.5°	946.9
30°	904.5
32.5°	865.1
35°	822.8
37.5°	780.5
40°	738.1
42.5°	692.8
45°	641.2
47.5°	589.9
50°	535.4
52.5°	478.0
55°	423.5
57.5°	369.0
60°	311.6
62.5°	257.1
65°	208.8
67.5°	160.4
70°	118.0
72.5°	78.6
75°	48.4
77.5°	21.1
80°	6.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)