

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: PORTFOLIO

Report Number: P244293

Luminaire Tested: **LD8B30D010 ER8B30927 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30927 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2428.9 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

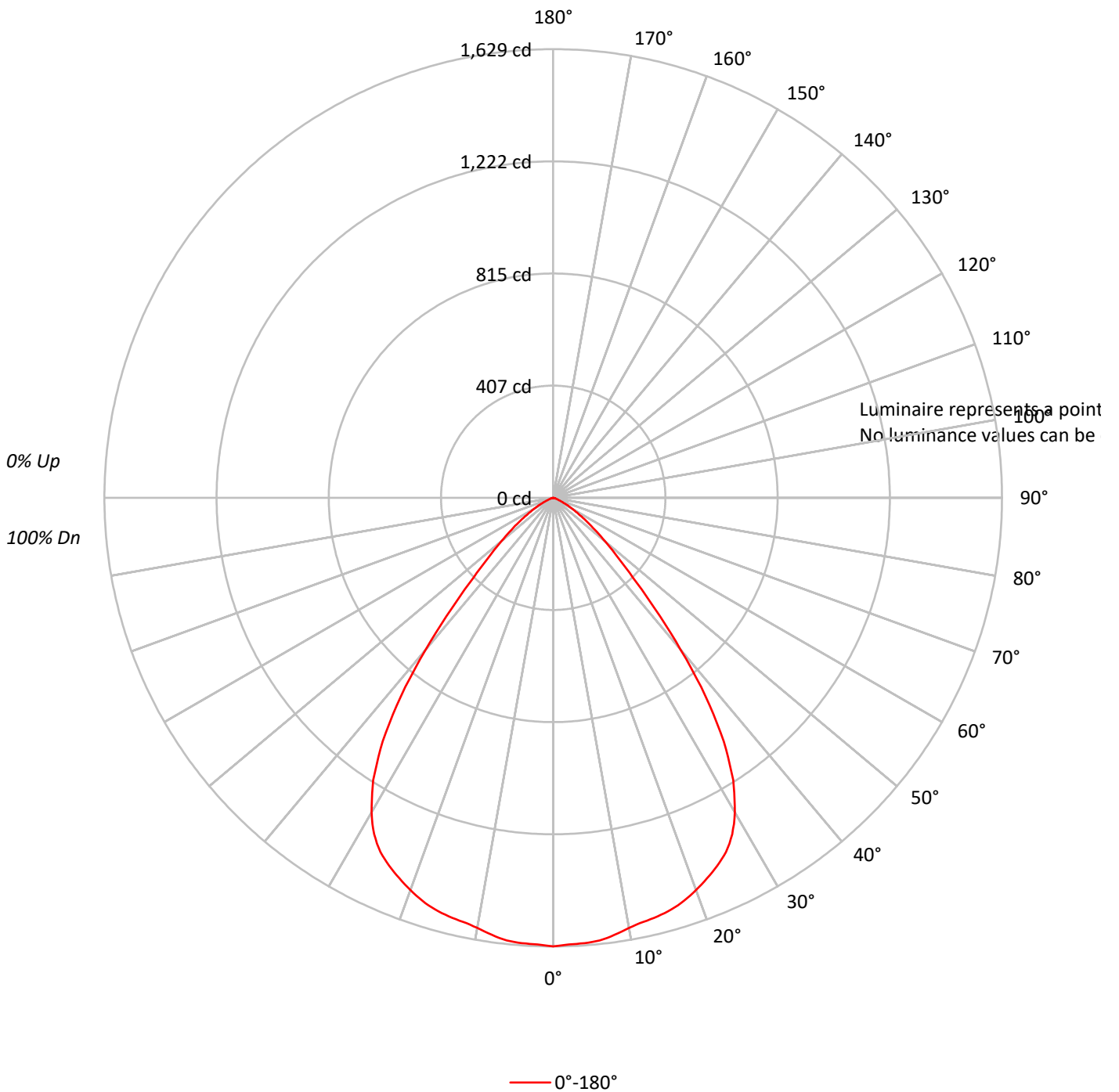
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46		55	49	45		54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	6.3
10°-20°	440.4	18.1
20°-30°	662.7	27.3
30°-40°	656.1	27.0
40°-50°	333.4	13.7
50°-60°	134.3	5.5
60°-70°	40.7	1.7
70°-80°	7.0	0.3
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°	1256.5	51.7
0°-40°	1912.6	78.7
0°-60°	2380.3	98.0
0°-90°	2428.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1629	
5°	1619	153
15°	1561	440
25°	1448	663
35°	1080	656
45°	409	333
55°	145	134
65°	37	41
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1628.7
1°	1625.2
2°	1622.4
3°	1621.7
4°	1620.9
5°	1618.9
6°	1616.1
7°	1610.4
8°	1602.0
9°	1594.2
10°	1585.8
11°	1578.8
12°	1573.9
13°	1570.4
14°	1566.2
15°	1561.3
16°	1555.0
17°	1547.2
18°	1538.1
19°	1527.5
20°	1515.6
21°	1503.0
22°	1490.4
23°	1477.0
24°	1463.0
25°	1447.5
26°	1430.7
27°	1409.0
28°	1383.6
29°	1353.5
30°	1318.4
32.5°	1215.9
35°	1079.7
37.5°	909.8
40°	720.2
42.5°	544.1
45°	408.6
47.5°	312.4
50°	245.0
52.5°	190.2
55°	144.6
57.5°	107.4
60°	80.8
62.5°	57.6
65°	37.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	23.2
70°	14.7
72.5°	9.1
75°	5.6
77.5°	3.5
80°	2.1
82.5°	1.3
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)