

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: P244237

Luminaire Tested: **LD8B15D010 ER8B15830 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244237
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: LD8B15D010 ER8B15830 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1476.0 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

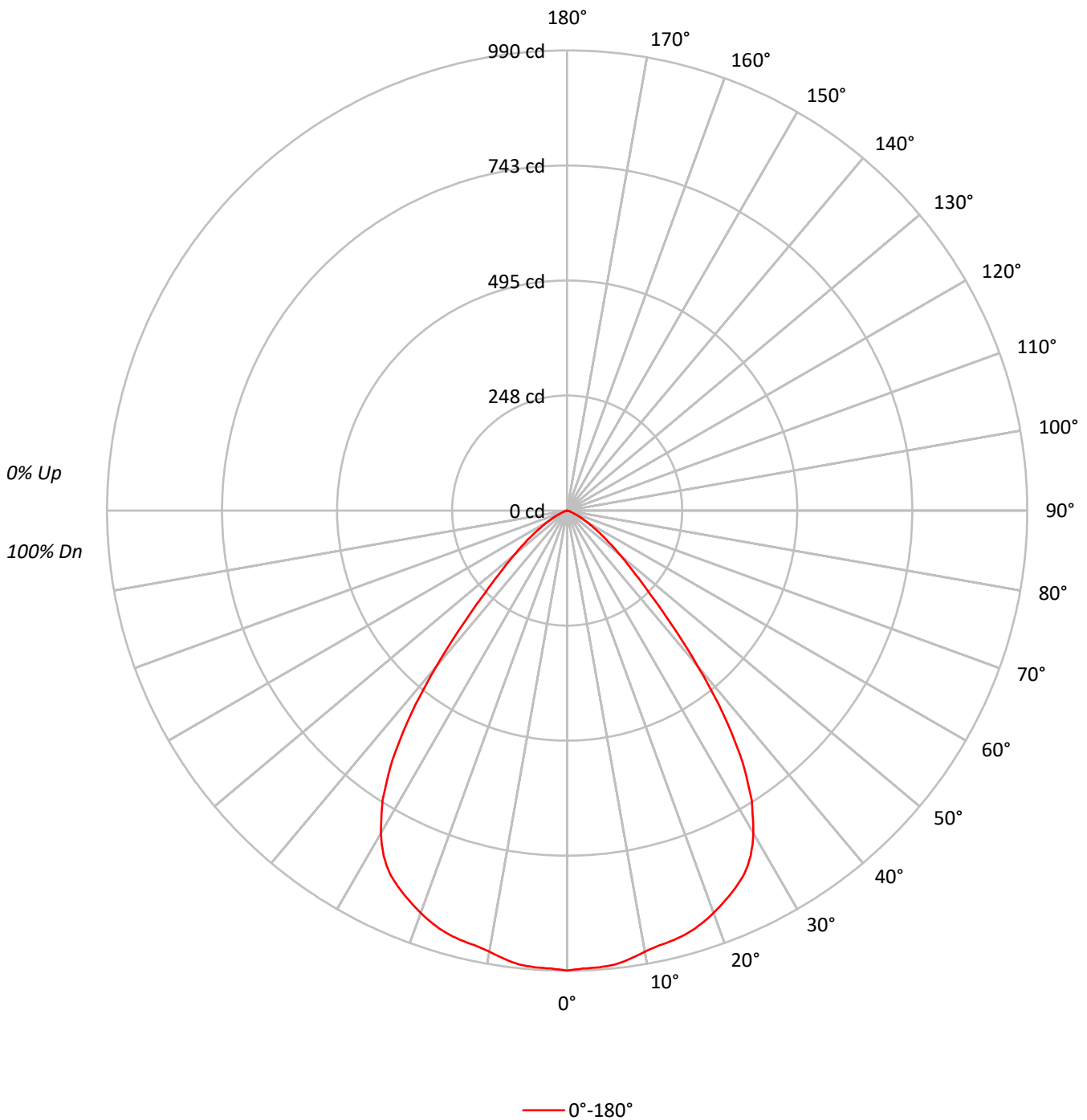
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	30519
5°	30450
10°	30175
15°	30290
20°	30223
25°	29931
30°	28528
35°	24698
40°	17619
45°	10828
50°	7143
55°	4726
60°	3028
65°	1649
70°	811
75°	405
80°	231
85°	142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	6.3
10°-20°	267.6	18.1
20°-30°	402.7	27.3
30°-40°	398.7	27.0
40°-50°	202.6	13.7
50°-60°	81.6	5.5
60°-70°	24.7	1.7
70°-80°	4.2	0.3
80°-90°	0.5	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°	763.6	51.7
0°-40°	1162.3	78.7
0°-60°	1446.5	98.0
0°-90°	1476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	990	
5°	984	93
15°	949	268
25°	880	403
35°	656	399
45°	248	203
55°	88	82
65°	23	25
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	989.7
1°	987.6
2°	985.9
3°	985.5
4°	985.0
5°	983.7
6°	982.0
7°	978.6
8°	973.5
9°	968.8
10°	963.7
11°	959.4
12°	956.4
13°	954.3
14°	951.7
15°	948.8
16°	944.9
17°	940.2
18°	934.7
19°	928.3
20°	921.0
21°	913.4
22°	905.7
23°	897.6
24°	889.0
25°	879.7
26°	869.4
27°	856.2
28°	840.8
29°	822.5
30°	801.2
32.5°	738.9
35°	656.1
37.5°	552.9
40°	437.7
42.5°	330.6
45°	248.3
47.5°	189.8
50°	148.9
52.5°	115.6
55°	87.9
57.5°	65.3
60°	49.1
62.5°	35.0
65°	22.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.1
70°	9.0
72.5°	5.5
75°	3.4
77.5°	2.1
80°	1.3
82.5°	0.9
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)