

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: P244297

Luminaire Tested: **LD8B15D010 ER8B159730 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244297
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 ER8B159730 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1131.0 lumens
Efficiency: N/A
Efficacy: 78.5 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

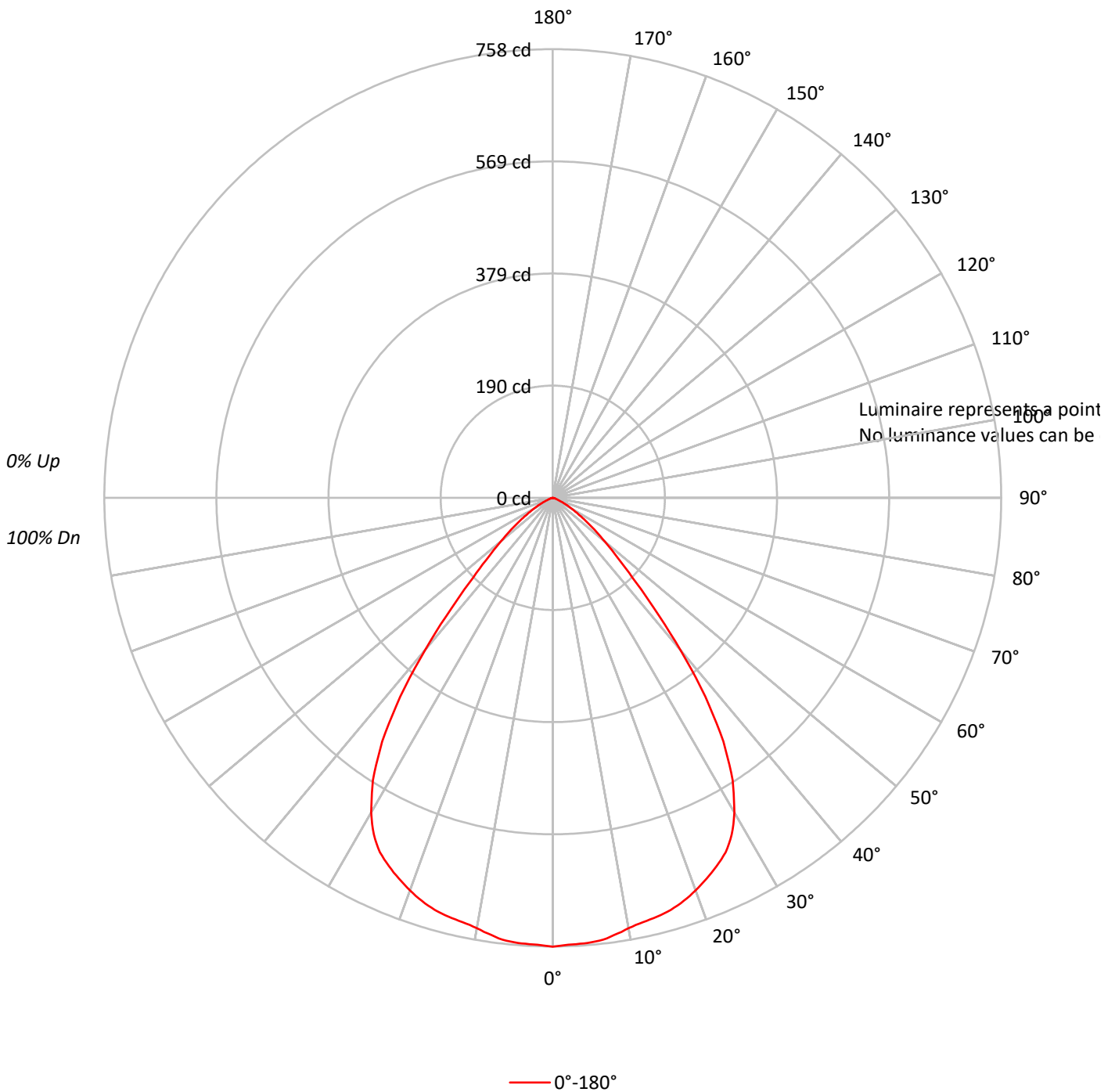
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244297

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBW0H

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):





TEST NUMBER: P244297

CATALOG NUMBER: LD8B15D010 ER8B159730 8LBW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	6.3
10°-20°	205.1	18.1
20°-30°	308.6	27.3
30°-40°	305.5	27.0
40°-50°	155.2	13.7
50°-60°	62.5	5.5
60°-70°	18.9	1.7
70°-80°	3.2	0.3
80°-90°	0.4	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°	585.1	51.7
0°-40°	890.6	78.7
0°-60°	1108.4	98.0
0°-90°	1131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	758	
5°	754	71
15°	727	205
25°	674	309
35°	503	306
45°	190	155
55°	67	63
65°	17	19
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	758.4
1°	756.7
2°	755.4
3°	755.1
4°	754.8
5°	753.8
6°	752.5
7°	749.9
8°	746.0
9°	742.4
10°	738.4
11°	735.2
12°	732.9
13°	731.2
14°	729.3
15°	727.0
16°	724.1
17°	720.5
18°	716.2
19°	711.3
20°	705.8
21°	699.9
22°	694.0
23°	687.8
24°	681.2
25°	674.0
26°	666.2
27°	656.1
28°	644.3
29°	630.2
30°	613.9
32.5°	566.2
35°	502.8
37.5°	423.6
40°	335.4
42.5°	253.3
45°	190.2
47.5°	145.5
50°	114.1
52.5°	88.6
55°	67.3
57.5°	50.0
60°	37.6
62.5°	26.8
65°	17.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.8
70°	6.9
72.5°	4.2
75°	2.6
77.5°	1.6
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)