

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: **LSR8B15D010 EC8B15930 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: LSR8B15D010 EC8B15930 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1267.8 lumens
Efficiency: N/A
Efficacy: 88.0 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

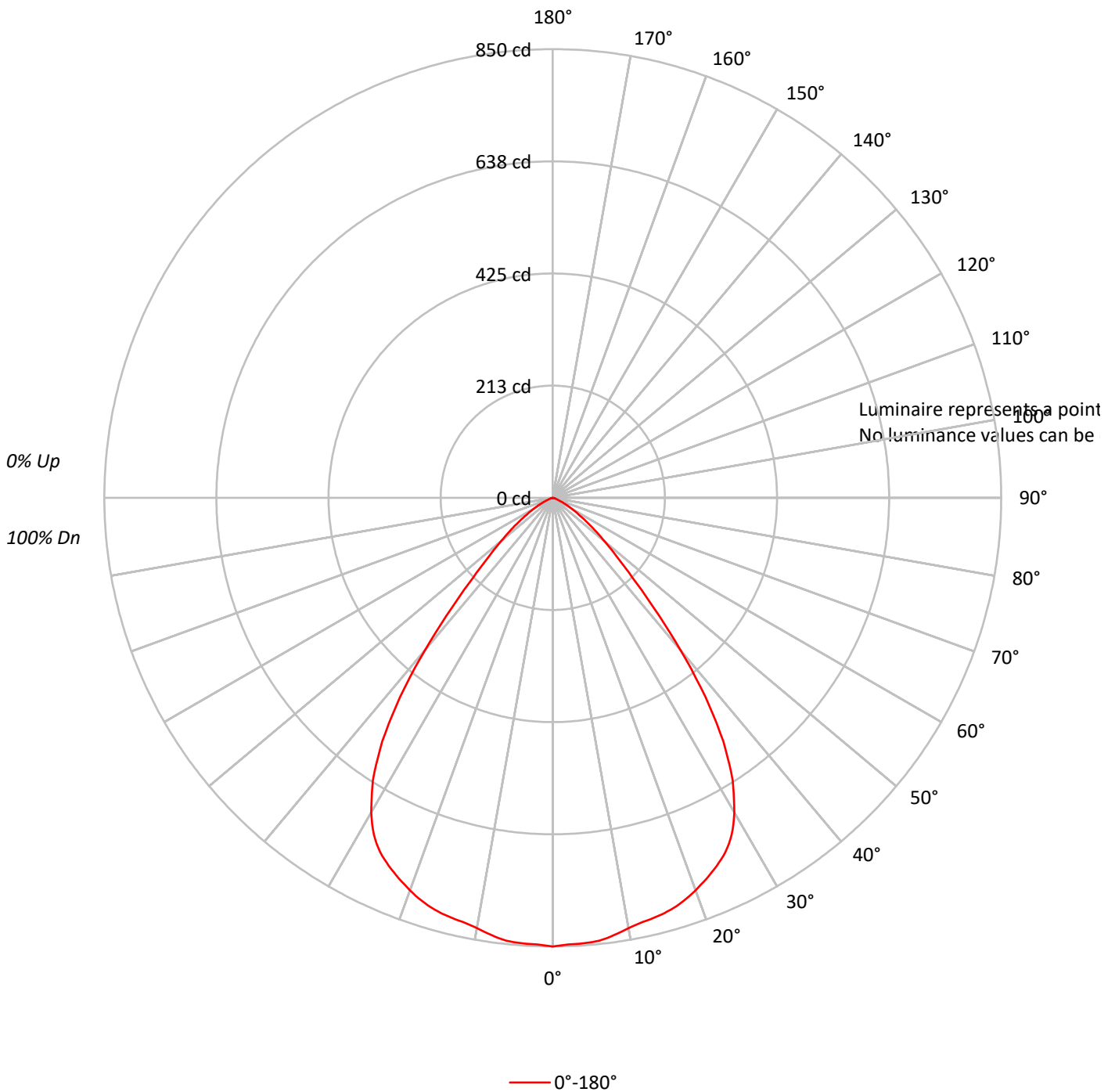
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	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		59	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°	80.1	6.3
10°-20°	229.9	18.1
20°-30°	345.9	27.3
30°-40°	342.5	27.0
40°-50°	174.0	13.7
50°-60°	70.1	5.5
60°-70°	21.2	1.7
70°-80°	3.6	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°	655.9	51.7
0°-40°	998.4	78.8
0°-60°	1242.5	98.0
0°-90°	1267.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	850	
5°	845	80
15°	815	230
25°	756	346
35°	564	342
45°	213	174
55°	75	70
65°	19	21
75°	3	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	850.2
1°	848.3
2°	846.8
3°	846.5
4°	846.1
5°	845.0
6°	843.6
7°	840.6
8°	836.3
9°	832.2
10°	827.7
11°	824.2
12°	821.6
13°	819.7
14°	817.5
15°	815.0
16°	811.7
17°	807.7
18°	802.9
19°	797.4
20°	791.2
21°	784.6
22°	778.0
23°	771.0
24°	763.6
25°	755.6
26°	746.8
27°	735.5
28°	722.3
29°	706.5
30°	688.2
32.5°	634.7
35°	563.6
37.5°	474.9
40°	376.0
42.5°	283.9
45°	213.2
47.5°	163.1
50°	127.9
52.5°	99.3
55°	75.4
57.5°	56.0
60°	42.1
62.5°	30.0
65°	19.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.1
70°	7.7
72.5°	4.7
75°	2.9
77.5°	1.8
80°	1.1
82.5°	0.8
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)