

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: P244795

Luminaire Tested: **LSR8B15D010 EC8B159727 8LBNOWMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201884)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B15D010 EC8B159727 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

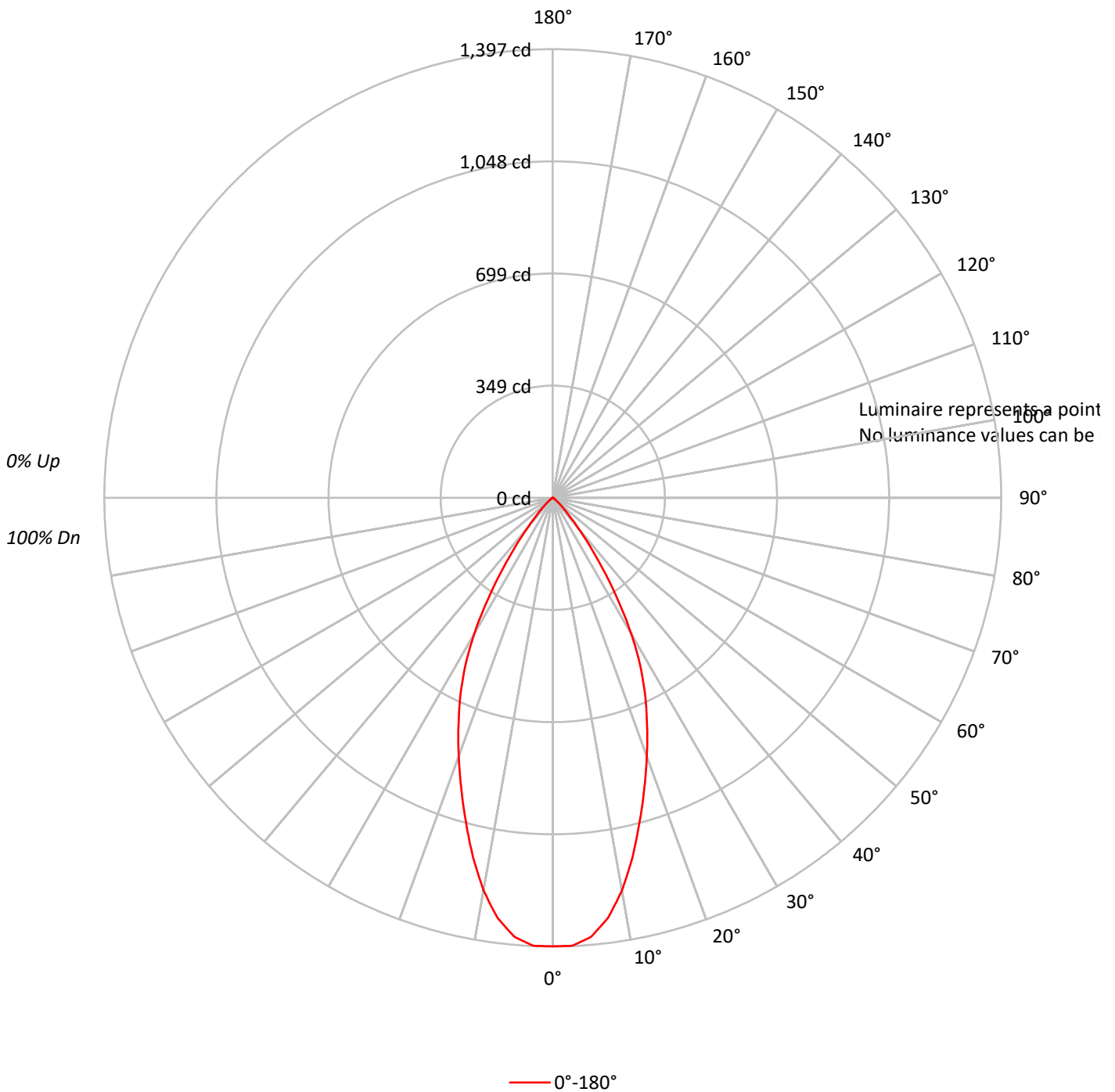
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94		
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88	88	88	88	88		
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82	82	82	82	82		
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77	77	77	77	77		
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72	72	72	72	72		
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	68	68	68	68		
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64	64	64	64	64		
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60	60	60	60	60		
9	78	68	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57	57	57	57	57		
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54	54	54	54	54		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	13.2
10°-20°	291.2	30.4
20°-30°	308.9	32.2
30°-40°	176.3	18.4
40°-50°	43.7	4.6
50°-60°	8.6	0.9
60°-70°	2.6	0.3
70°-80°	0.6	0.1
80°-90°	0.5	0.1
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°	726.8	75.8
0°-40°	903.1	94.2
0°-60°	955.4	99.6
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1397	
5°	1372	127
15°	1045	291
25°	682	309
35°	276	176
45°	49	44
55°	8	9
65°	2	3
75°	0	1
85°	1	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1396.6
2.5°	1396.0
5°	1371.9
7.5°	1319.0
10°	1240.9
12.5°	1146.6
15°	1045.0
17.5°	948.2
20°	856.1
22.5°	767.5
25°	682.0
27.5°	590.2
30°	488.9
32.5°	380.1
35°	275.6
37.5°	189.9
40°	122.8
42.5°	77.8
45°	49.4
47.5°	32.3
50°	20.3
52.5°	12.3
55°	7.9
57.5°	6.3
60°	4.1
62.5°	3.8
65°	1.9
67.5°	1.9
70°	1.6
72.5°	0.9
75°	0.0
77.5°	0.3
80°	0.3
82.5°	0.7
85°	0.7
87.5°	0.3
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)