

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: P247325

Luminaire Tested: **LSR8B120D010 EC8B120950 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201734)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B120D010 EC8B120950 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10813.9 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

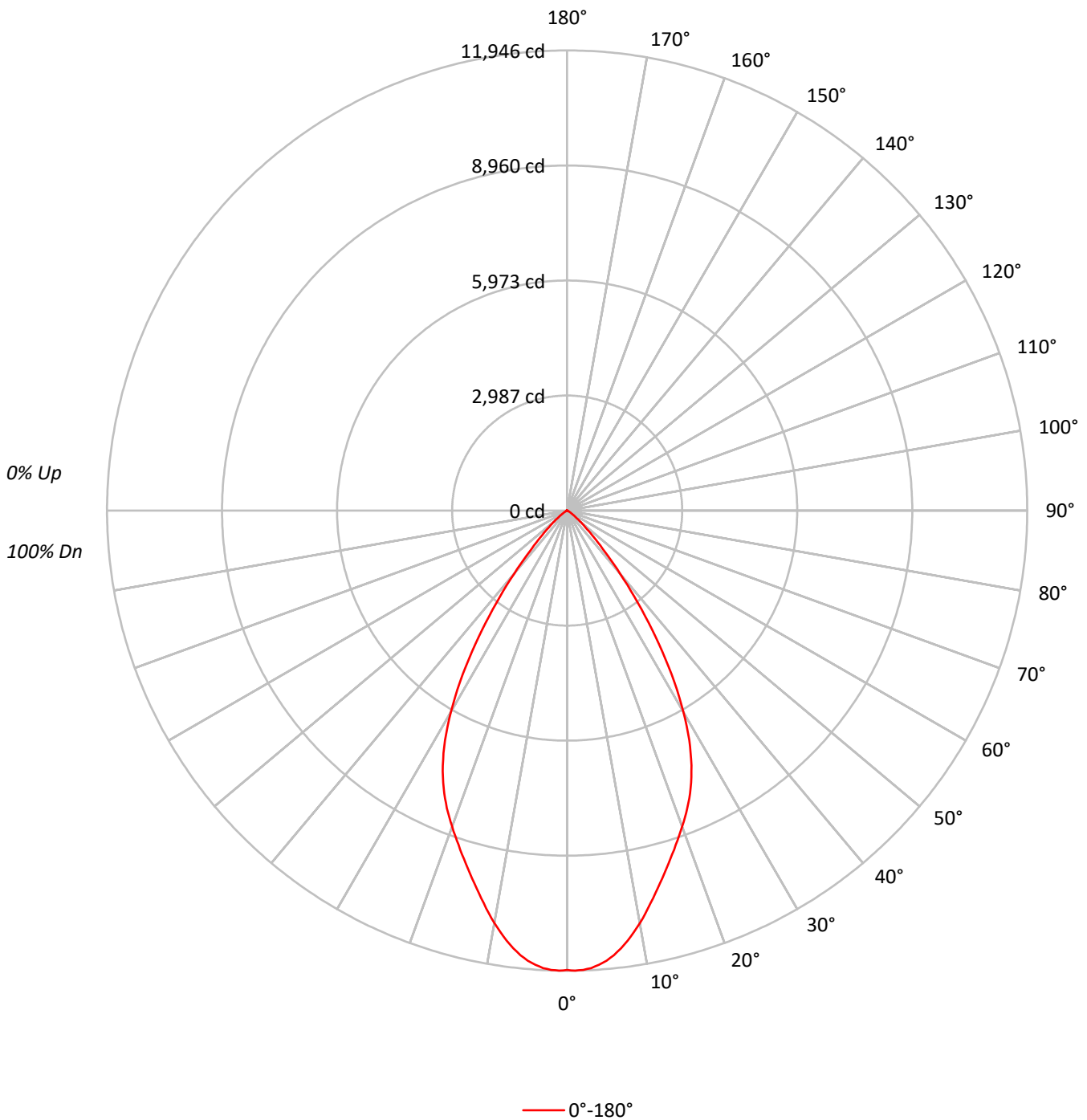
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86					86			
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80					80			
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74					74			
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69					69			
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64					64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60					60			
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56					56			
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52					52			
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	367846
5°	363104
10°	340415
15°	311289
20°	286573
25°	259669
30°	215011
35°	150788
40°	85805
45°	42113
50°	20772
55°	9424
60°	4465
65°	2415
70°	243
75°	322
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1091.6	10.1
10°-20°	2737.2	25.3
20°-30°	3455.4	32.0
30°-40°	2485.6	23.0
40°-50°	822.7	7.6
50°-60°	179.2	1.7
60°-70°	36.8	0.3
70°-80°	3.6	0.0
80°-90°	1.8	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°	7284.2	67.4
0°-40°	9769.8	90.3
0°-60°	10771.7	99.6
0°-90°	10813.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10813.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11929	
5°	11730	###
15°	9751	2737
25°	7632	3455
35°	4006	2486
45°	966	823
55°	175	179
65°	33	37
75°	3	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11929.0
1°	11945.7
2°	11931.7
3°	11892.4
4°	11819.3
5°	11730.4
6°	11608.4
7°	11449.5
8°	11274.2
9°	11082.5
10°	10871.7
11°	10656.4
12°	10422.0
13°	10196.1
14°	9968.9
15°	9750.9
16°	9536.3
17°	9330.5
18°	9126.5
19°	8930.4
20°	8732.9
21°	8530.6
22°	8333.1
23°	8118.1
24°	7886.5
25°	7631.9
26°	7364.7
27°	7067.0
28°	6752.3
29°	6402.7
30°	6038.5
31°	5655.4
32°	5252.2
33°	4829.1
34°	4415.3
35°	4005.6
37.5°	3008.1
40°	2131.6
42.5°	1444.1
45°	965.7
47.5°	647.9
50°	433.0
52.5°	261.4
55°	175.3
57.5°	122.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	72.4
62.5°	49.5
65°	33.1
67.5°	29.7
70°	2.7
72.5°	6.8
75°	2.7
77.5°	2.7
80°	0.0
82.5°	6.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)