

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: P247321

Luminaire Tested: **LSR8B120D010 EC8B120940 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247321
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 EC8B120940 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10445.0 lumens
Efficiency: N/A
Efficacy: 88.3 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

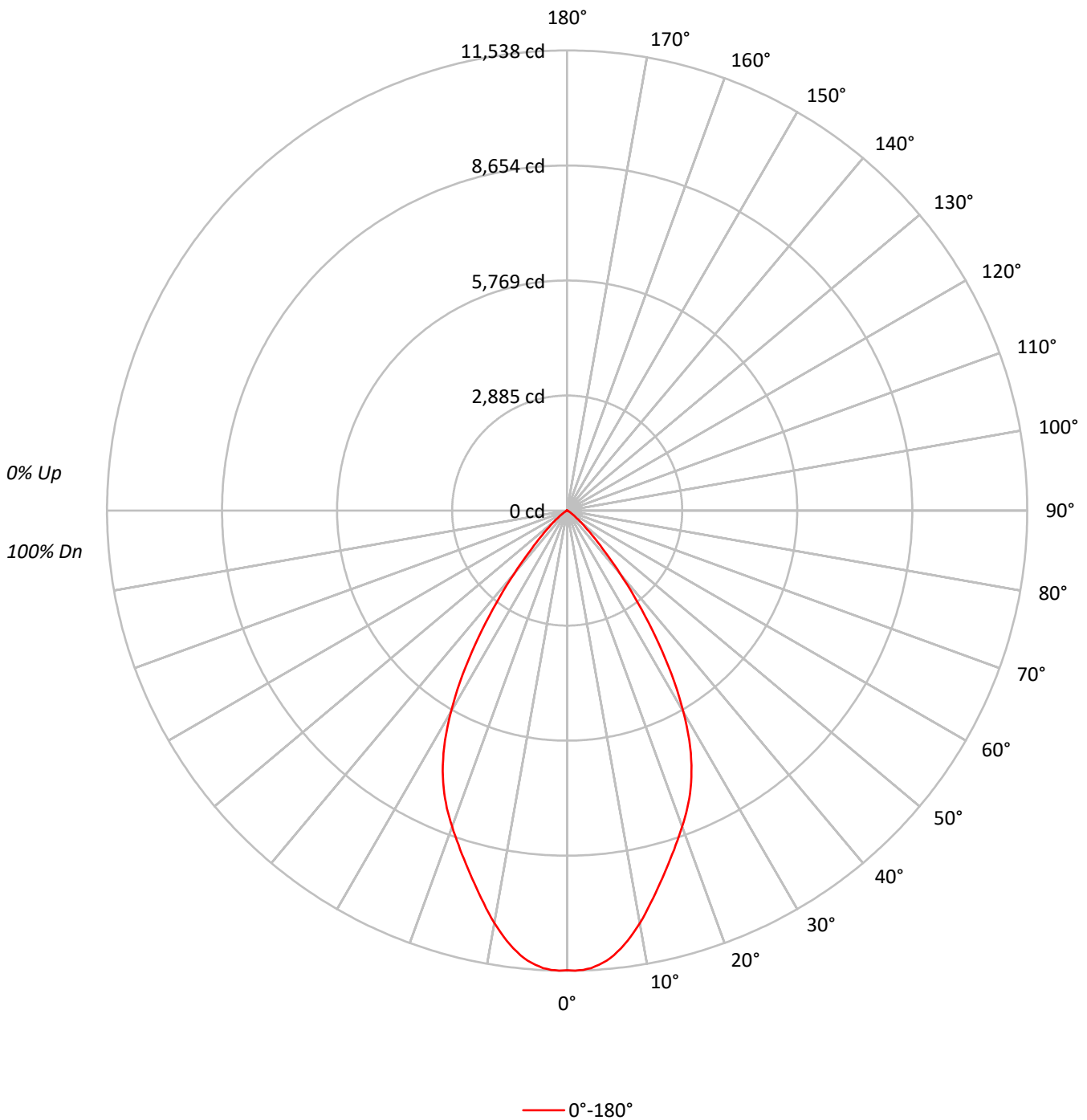
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355293
5°	350713
10°	328798
15°	300664
20°	276794
25°	250809
30°	207673
35°	145642
40°	82879
45°	40674
50°	20062
55°	9102
60°	4317
65°	2335
70°	234
75°	310
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.4	10.1
10°-20°	2643.8	25.3
20°-30°	3337.5	32.0
30°-40°	2400.8	23.0
40°-50°	794.6	7.6
50°-60°	173.0	1.7
60°-70°	35.6	0.3
70°-80°	3.4	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°	7035.7	67.4
0°-40°	9436.4	90.3
0°-60°	10404.1	99.6
0°-90°	10445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10445.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11522	
5°	11330	###
15°	9418	2644
25°	7372	3337
35°	3869	2401
45°	933	795
55°	169	173
65°	32	36
75°	3	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11521.9
1°	11538.1
2°	11524.5
3°	11486.6
4°	11416.0
5°	11330.1
6°	11212.3
7°	11058.8
8°	10889.5
9°	10704.4
10°	10500.7
11°	10292.8
12°	10066.4
13°	9848.2
14°	9628.7
15°	9418.1
16°	9210.9
17°	9012.2
18°	8815.1
19°	8625.7
20°	8434.9
21°	8239.5
22°	8048.7
23°	7841.1
24°	7617.4
25°	7371.5
26°	7113.4
27°	6825.9
28°	6521.9
29°	6184.2
30°	5832.4
31°	5462.4
32°	5073.0
33°	4664.3
34°	4264.6
35°	3868.9
37.5°	2905.5
40°	2058.9
42.5°	1394.8
45°	932.7
47.5°	625.8
50°	418.2
52.5°	252.5
55°	169.3
57.5°	117.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	70.0
62.5°	47.9
65°	32.0
67.5°	28.7
70°	2.6
72.5°	6.6
75°	2.6
77.5°	2.6
80°	0.0
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)