

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: P247294

Luminaire Tested: **LSR8B80D010 EC8B80835 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247294
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: LSR8B80D010 EC8B80835 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7960.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

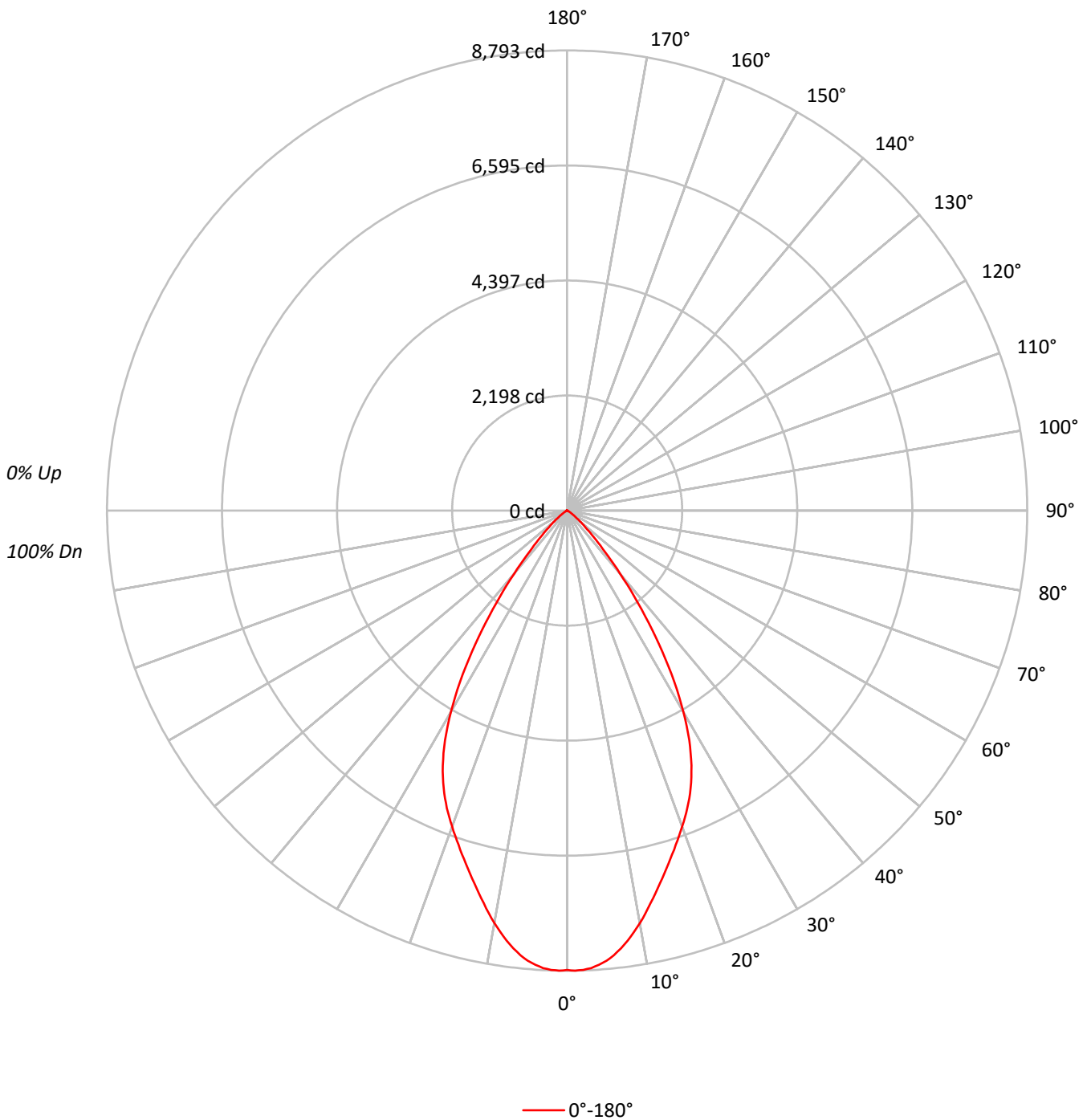
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	270764
5°	267276
10°	250574
15°	229132
20°	210940
25°	191137
30°	158265
35°	110990
40°	63162
45°	30997
50°	15289
55°	6935
60°	3287
65°	1780
70°	180
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.5	10.1
10°-20°	2014.8	25.3
20°-30°	2543.4	32.0
30°-40°	1829.6	23.0
40°-50°	605.6	7.6
50°-60°	131.9	1.7
60°-70°	27.1	0.3
70°-80°	2.6	0.0
80°-90°	1.4	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°	5361.8	67.4
0°-40°	7191.4	90.3
0°-60°	7928.8	99.6
0°-90°	7960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7960.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8781	
5°	8635	804
15°	7177	2015
25°	5618	2543
35°	2948	1830
45°	711	606
55°	129	132
65°	24	27
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8780.7
1°	8793.0
2°	8782.7
3°	8753.8
4°	8700.0
5°	8634.6
6°	8544.8
7°	8427.8
8°	8298.8
9°	8157.7
10°	8002.5
11°	7844.0
12°	7671.4
13°	7505.2
14°	7337.9
15°	7177.4
16°	7019.5
17°	6868.1
18°	6717.9
19°	6573.5
20°	6428.1
21°	6279.2
22°	6133.8
23°	5975.6
24°	5805.1
25°	5617.7
26°	5421.0
27°	5201.9
28°	4970.3
29°	4712.9
30°	4444.8
31°	4162.8
32°	3866.0
33°	3554.6
34°	3250.0
35°	2948.4
37.5°	2214.2
40°	1569.1
42.5°	1063.0
45°	710.8
47.5°	476.9
50°	318.7
52.5°	192.4
55°	129.0
57.5°	89.8



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CANDELA DISTRIBUTION (continued):

	0°
60°	53.3
62.5°	36.5
65°	24.4
67.5°	21.9
70°	2.0
72.5°	5.0
75°	2.0
77.5°	2.0
80°	0.0
82.5°	5.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)