

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: P247314

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247314
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 EC8B80935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6788.0 lumens
Efficiency: N/A
Efficacy: 91.2 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

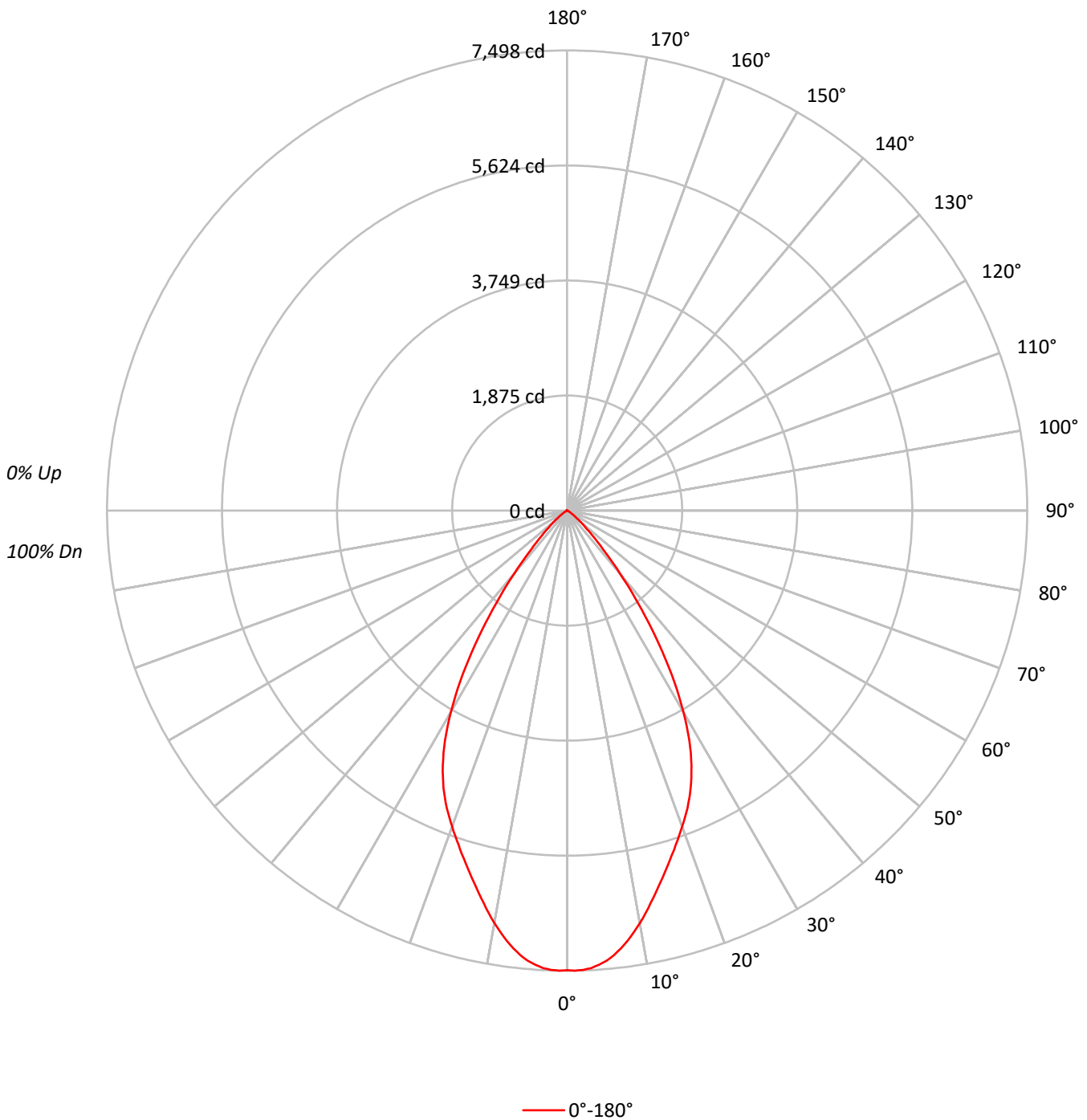
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	230899
5°	227921
10°	213679
15°	195398
20°	179884
25°	162996
30°	134964
35°	94649
40°	53860
45°	26436
50°	13039
55°	5914
60°	2806
65°	1518
70°	153
75°	203
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.2	10.1
10°-20°	1718.2	25.3
20°-30°	2169.0	32.0
30°-40°	1560.2	23.0
40°-50°	516.4	7.6
50°-60°	112.5	1.7
60°-70°	23.1	0.3
70°-80°	2.2	0.0
80°-90°	1.2	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°	4572.3	67.4
0°-40°	6132.6	90.3
0°-60°	6761.5	99.6
0°-90°	6788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6788.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7488	
5°	7363	685
15°	6121	1718
25°	4791	2169
35°	2514	1560
45°	606	516
55°	110	112
65°	21	23
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7487.9
1°	7498.4
2°	7489.6
3°	7464.9
4°	7419.0
5°	7363.2
6°	7286.7
7°	7186.9
8°	7076.9
9°	6956.6
10°	6824.2
11°	6689.1
12°	6541.9
13°	6400.1
14°	6257.5
15°	6120.7
16°	5986.0
17°	5856.8
18°	5728.8
19°	5605.7
20°	5481.7
21°	5354.7
22°	5230.7
23°	5095.8
24°	4950.4
25°	4790.6
26°	4622.8
27°	4436.0
28°	4238.5
29°	4019.0
30°	3790.4
31°	3549.9
32°	3296.8
33°	3031.3
34°	2771.5
35°	2514.3
37.5°	1888.2
40°	1338.0
42.5°	906.5
45°	606.2
47.5°	406.7
50°	271.8
52.5°	164.1
55°	110.0
57.5°	76.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	45.5
62.5°	31.1
65°	20.8
67.5°	18.7
70°	1.7
72.5°	4.3
75°	1.7
77.5°	1.7
80°	0.0
82.5°	4.3
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)