

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: P246958

Luminaire Tested: **LSR8B80D010 EC8B80835 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80835 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8602.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

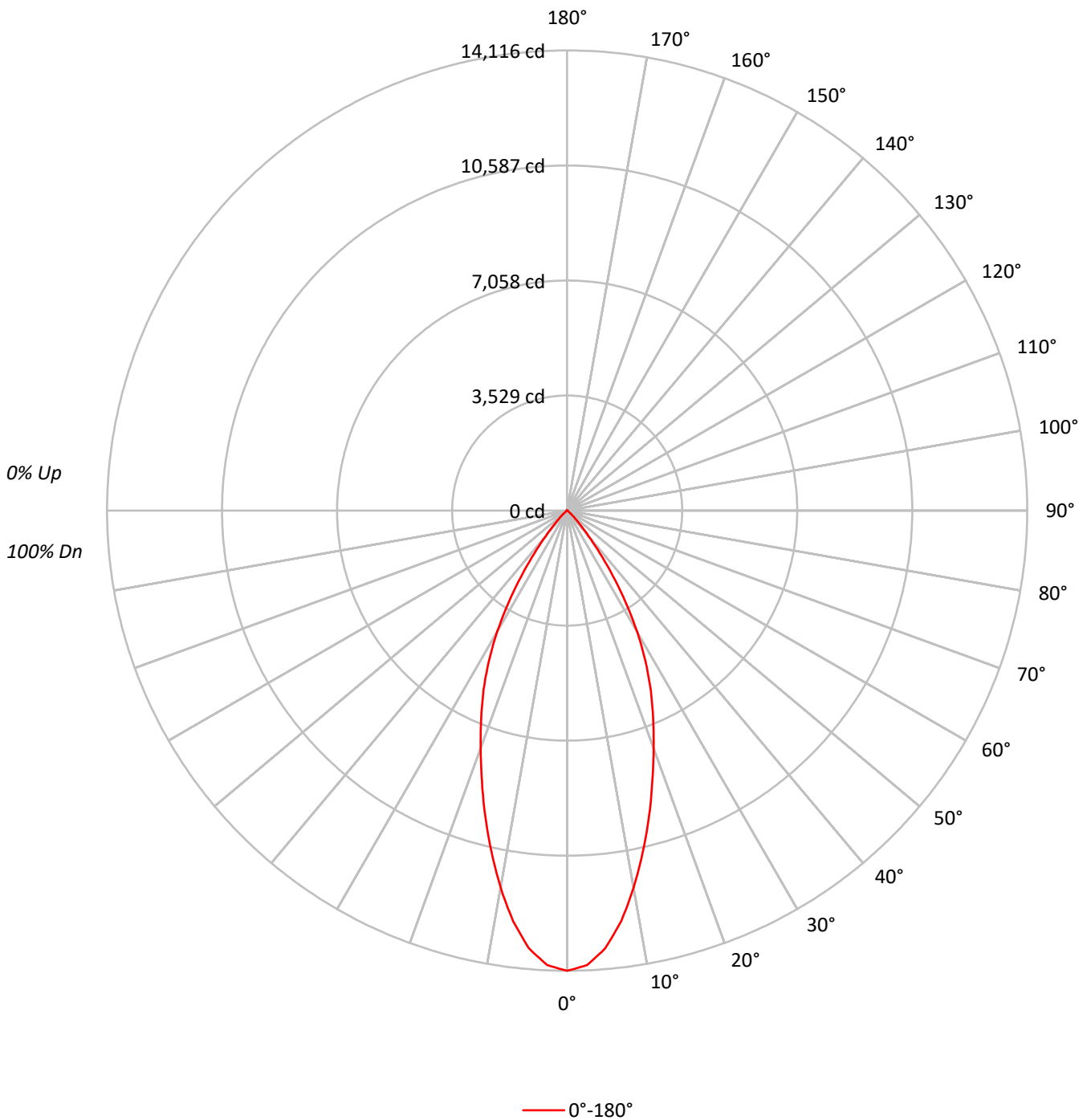
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71		78	74	71		77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63		71	66	63		70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		64	60	57	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	435292
5°	417144
10°	367825
15°	309986
20°	254519
25°	206292
30°	152717
35°	91927
40°	40938
45°	15917
50°	5709
55°	1667
60°	1172
65°	876
70°	90
75°	477
80°	0
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1230.3	14.3
10°-20°	2697.0	31.4
20°-30°	2750.5	32.0
30°-40°	1540.5	17.9
40°-50°	328.5	3.8
50°-60°	40.7	0.5
60°-70°	10.6	0.1
70°-80°	2.5	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°	6677.8	77.6
0°-40°	8218.3	95.5
0°-60°	8587.5	99.8
0°-90°	8602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14116	
5°	13476	###
15°	9710	2697
25°	6063	2751
35°	2442	1540
45°	365	329
55°	31	41
65°	12	11
75°	4	3
85°	4	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14116.2
2.5°	13957.2
5°	13476.2
7.5°	12702.1
10°	11747.1
12.5°	10722.1
15°	9710.1
17.5°	8692.1
20°	7756.1
22.5°	6885.1
25°	6063.1
27.5°	5200.1
30°	4289.0
32.5°	3337.0
35°	2442.0
37.5°	1636.0
40°	1017.0
42.5°	608.0
45°	365.0
47.5°	203.0
50°	119.0
52.5°	63.0
55°	31.0
57.5°	22.0
60°	19.0
62.5°	9.0
65°	12.0
67.5°	12.0
70°	1.0
72.5°	3.0
75°	4.0
77.5°	2.0
80°	0.0
82.5°	1.0
85°	4.0
87.5°	0.0
90°	0.0

(END OF REPORT)