

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: P246699

Luminaire Tested: **LSR8B30D010 EC8B30840 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30840 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3080.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

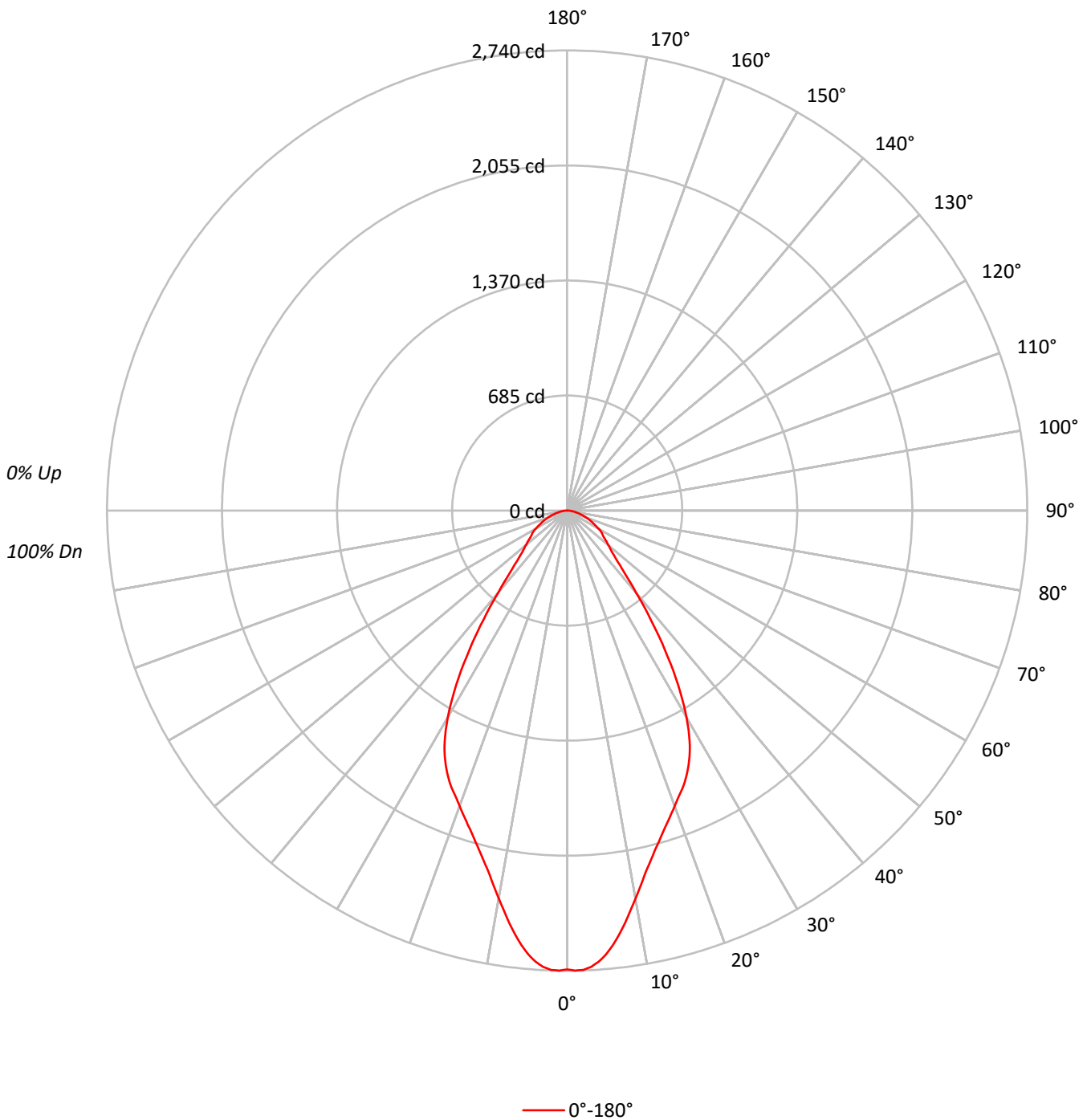
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84251
5°	82115
10°	73411
15°	65968
20°	61434
25°	57875
30°	50604
35°	38344
40°	25750
45°	18150
50°	15394
55°	14037
60°	13303
65°	11966
70°	10765
75°	9686
80°	8524
85°	8208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.8	7.9
10°-20°	582.8	18.9
20°-30°	772.2	25.1
30°-40°	633.3	20.6
40°-50°	337.3	11.0
50°-60°	237.4	7.7
60°-70°	163.7	5.3
70°-80°	85.3	2.8
80°-90°	25.2	0.8
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°	1597.8	51.9
0°-40°	2231.1	72.4
0°-60°	2805.8	91.1
0°-90°	3080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3080.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2732	
5°	2653	243
15°	2066	583
25°	1701	772
35°	1019	633
45°	416	337
55°	261	237
65°	164	164
75°	81	85
85°	23	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2732.2
1°	2740.0
2°	2736.7
3°	2720.4
4°	2692.7
5°	2652.8
6°	2603.0
7°	2543.1
8°	2478.9
9°	2410.5
10°	2344.5
11°	2281.3
12°	2217.1
13°	2163.5
14°	2112.8
15°	2066.4
16°	2022.8
17°	1982.5
18°	1945.2
19°	1907.9
20°	1872.1
21°	1837.3
22°	1807.0
23°	1775.9
24°	1739.5
25°	1701.0
26°	1657.5
27°	1608.4
28°	1553.0
29°	1491.6
30°	1421.2
31°	1347.3
32°	1269.7
33°	1187.0
34°	1103.9
35°	1018.6
37.5°	816.2
40°	639.7
42.5°	505.2
45°	416.2
47.5°	357.5
50°	320.9
52.5°	288.8
55°	261.1
57.5°	244.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	215.7
62.5°	188.0
65°	164.0
67.5°	142.6
70°	119.4
72.5°	99.7
75°	81.3
77.5°	58.8
80°	48.0
82.5°	34.7
85°	23.2
87.5°	10.8
90°	0.0

(END OF REPORT)