

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: P244275

Luminaire Tested: **LSR8B30D010 EC8B30935 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30935 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

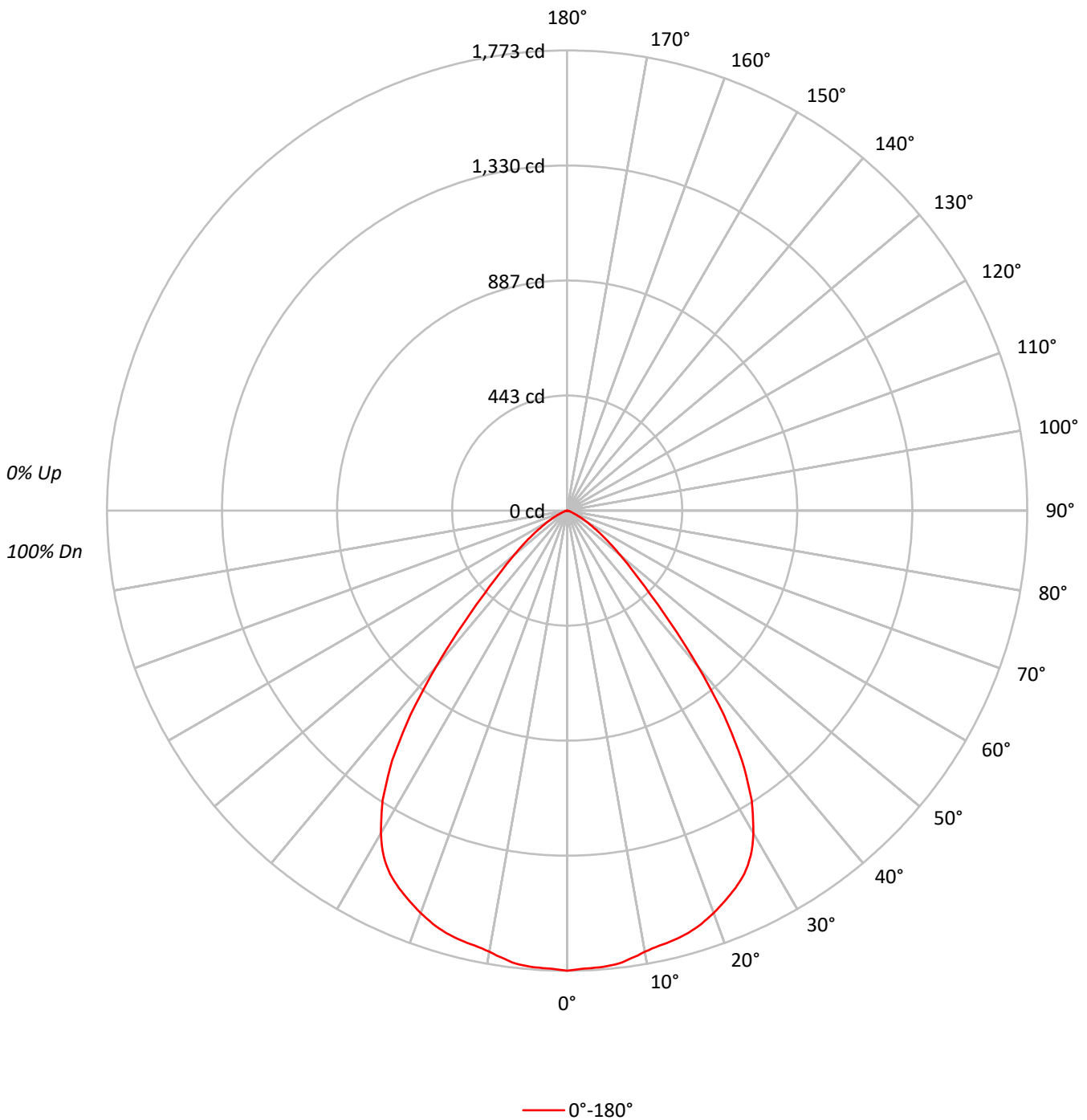
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54670
5°	54547
10°	54054
15°	54255
20°	54142
25°	53612
30°	51099
35°	44243
40°	31563
45°	19397
50°	12794
55°	8462
60°	5421
65°	2955
70°	1443
75°	727
80°	408
85°	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	6.3
10°-20°	479.4	18.1
20°-30°	721.4	27.3
30°-40°	714.2	27.0
40°-50°	362.9	13.7
50°-60°	146.2	5.5
60°-70°	44.3	1.7
70°-80°	7.6	0.3
80°-90°	0.9	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°	1367.8	51.7
0°-40°	2082.0	78.7
0°-60°	2591.2	98.0
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1773	
5°	1762	167
15°	1700	479
25°	1576	721
35°	1175	714
45°	445	363
55°	157	146
65°	40	44
75°	6	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1772.9
1°	1769.1
2°	1766.0
3°	1765.3
4°	1764.5
5°	1762.2
6°	1759.2
7°	1753.0
8°	1743.9
9°	1735.5
10°	1726.3
11°	1718.7
12°	1713.3
13°	1709.5
14°	1704.9
15°	1699.5
16°	1692.7
17°	1684.3
18°	1674.3
19°	1662.9
20°	1649.9
21°	1636.1
22°	1622.4
23°	1607.8
24°	1592.6
25°	1575.7
26°	1557.4
27°	1533.7
28°	1506.2
29°	1473.3
30°	1435.1
32.5°	1323.6
35°	1175.3
37.5°	990.4
40°	784.1
42.5°	592.2
45°	444.8
47.5°	340.1
50°	266.7
52.5°	207.1
55°	157.4
57.5°	116.9
60°	87.9
62.5°	62.7
65°	40.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	25.2
70°	16.0
72.5°	9.9
75°	6.1
77.5°	3.8
80°	2.3
82.5°	1.5
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)