

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: P246741

Luminaire Tested: **LSR8B30D010 EC8B30927 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246741
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 EC8B30927 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2427.7 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

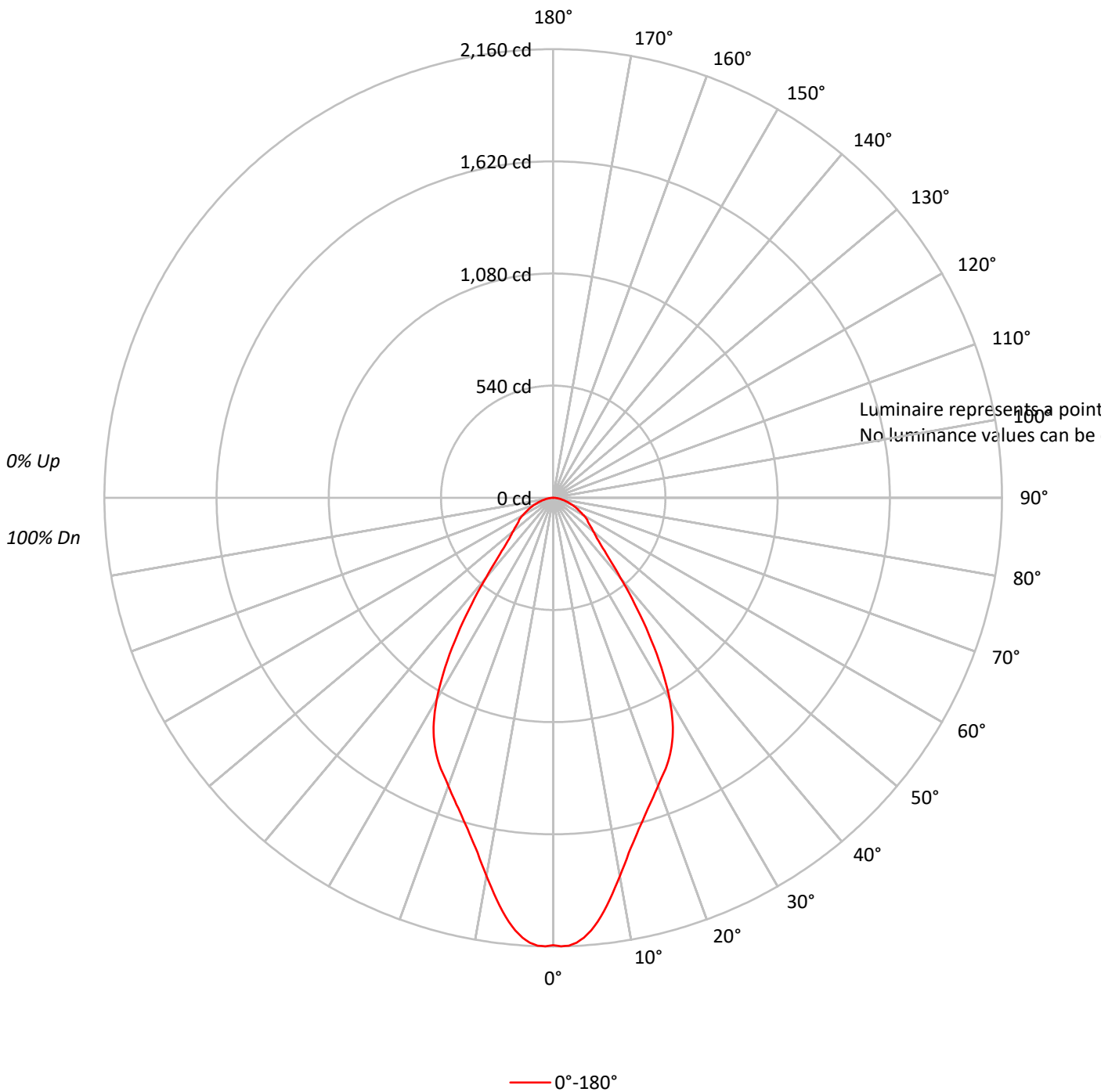
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.4	7.9
10°-20°	459.4	18.9
20°-30°	608.7	25.1
30°-40°	499.1	20.6
40°-50°	265.9	11.0
50°-60°	187.2	7.7
60°-70°	129.1	5.3
70°-80°	67.2	2.8
80°-90°	19.9	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°	1259.4	51.9
0°-40°	1758.6	72.4
0°-60°	2211.6	91.1
0°-90°	2427.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2427.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2154	
5°	2091	191
15°	1629	459
25°	1341	609
35°	803	499
45°	328	266
55°	206	187
65°	129	129
75°	64	67
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2153.6
1°	2159.8
2°	2157.1
3°	2144.4
4°	2122.4
5°	2091.0
6°	2051.8
7°	2004.5
8°	1953.9
9°	1900.0
10°	1847.9
11°	1798.2
12°	1747.6
13°	1705.4
14°	1665.3
15°	1628.8
16°	1594.4
17°	1562.6
18°	1533.3
19°	1503.9
20°	1475.7
21°	1448.2
22°	1424.4
23°	1399.8
24°	1371.1
25°	1340.8
26°	1306.5
27°	1267.8
28°	1224.1
29°	1175.7
30°	1120.2
31°	1062.0
32°	1000.8
33°	935.7
34°	870.1
35°	802.9
37.5°	643.3
40°	504.2
42.5°	398.2
45°	328.0
47.5°	281.8
50°	252.9
52.5°	227.7
55°	205.8
57.5°	192.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	170.0
62.5°	148.2
65°	129.3
67.5°	112.4
70°	94.2
72.5°	78.5
75°	64.0
77.5°	46.4
80°	37.8
82.5°	27.3
85°	18.3
87.5°	8.5
90°	0.0

(END OF REPORT)