

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: P243825

Luminaire Tested: **LSR8B30D010 EC8B30850 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30850 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3305.9 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

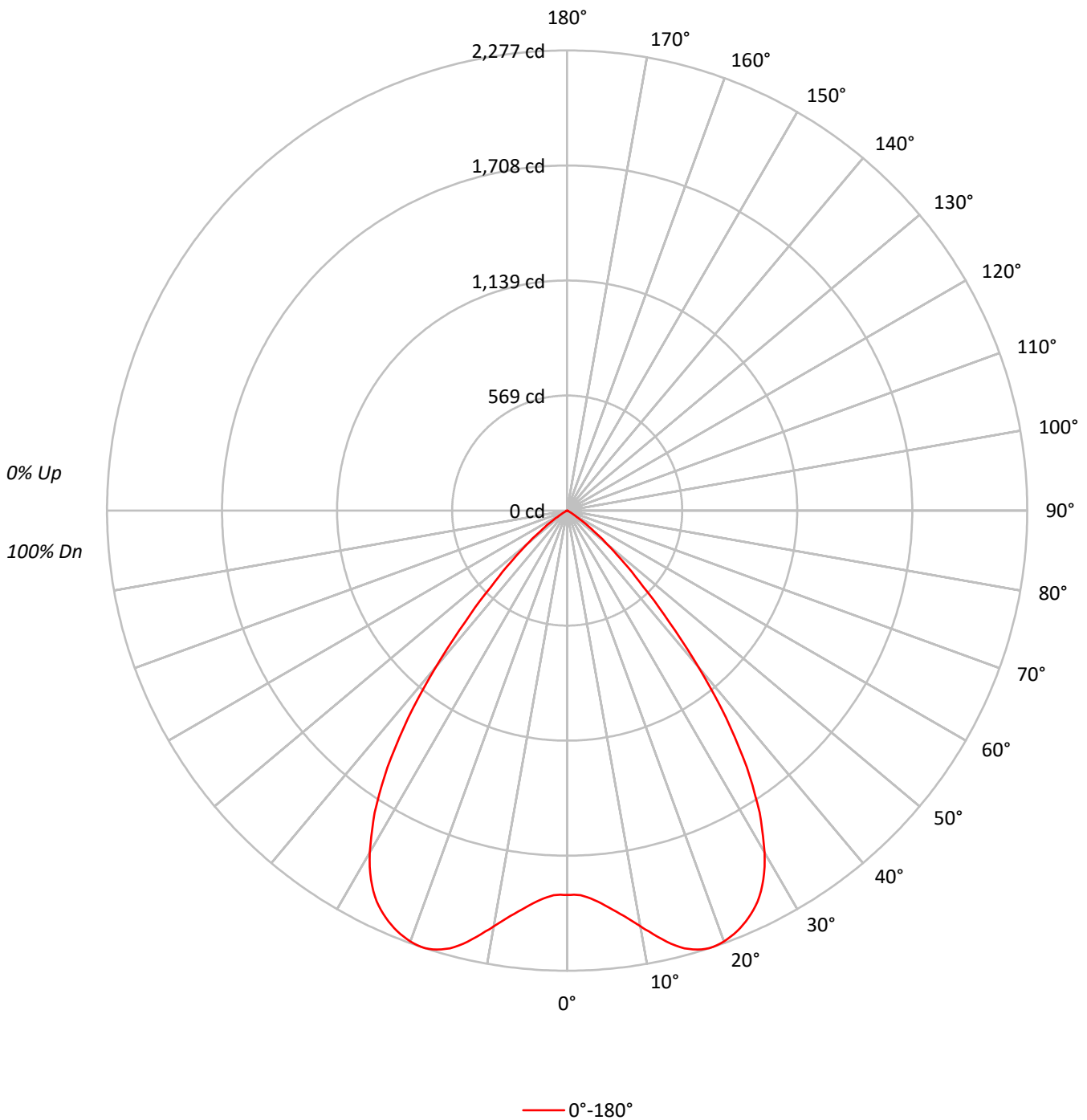
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58657
5°	60391
10°	65423
15°	71583
20°	74471
25°	74200
30°	69597
35°	58360
40°	40632
45°	23274
50°	12497
55°	5156
60°	1283
65°	328
70°	162
75°	107
80°	160
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	5.8
10°-20°	632.0	19.1
20°-30°	994.4	30.1
30°-40°	945.8	28.6
40°-50°	436.1	13.2
50°-60°	99.1	3.0
60°-70°	6.5	0.2
70°-80°	1.3	0.0
80°-90°	0.1	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°	1817.1	55.0
0°-40°	2762.9	83.6
0°-60°	3298.0	99.8
0°-90°	3305.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3305.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1902	
5°	1951	191
15°	2242	632
25°	2181	994
35°	1550	946
45°	534	436
55°	96	99
65°	4	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1902.2
1°	1901.3
2°	1904.9
3°	1915.7
4°	1932.0
5°	1951.0
6°	1974.5
7°	1999.9
8°	2026.1
9°	2056.8
10°	2089.4
11°	2122.0
12°	2156.3
13°	2188.9
14°	2218.7
15°	2242.3
16°	2259.4
17°	2271.2
18°	2276.6
19°	2275.7
20°	2269.4
21°	2258.5
22°	2245.0
23°	2226.9
24°	2206.1
25°	2180.8
26°	2150.9
27°	2112.9
28°	2067.7
29°	2015.2
30°	1954.6
32.5°	1772.8
35°	1550.3
37.5°	1291.6
40°	1009.4
42.5°	746.2
45°	533.7
47.5°	378.1
50°	260.5
52.5°	166.4
55°	95.9
57.5°	47.9
60°	20.8
62.5°	8.1
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)