

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: P243843

Luminaire Tested: **LSR8B30D010 EC8B30935 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243843
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 EC8B30935 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2783.0 lumens
Efficiency: N/A
Efficacy: 102.7 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

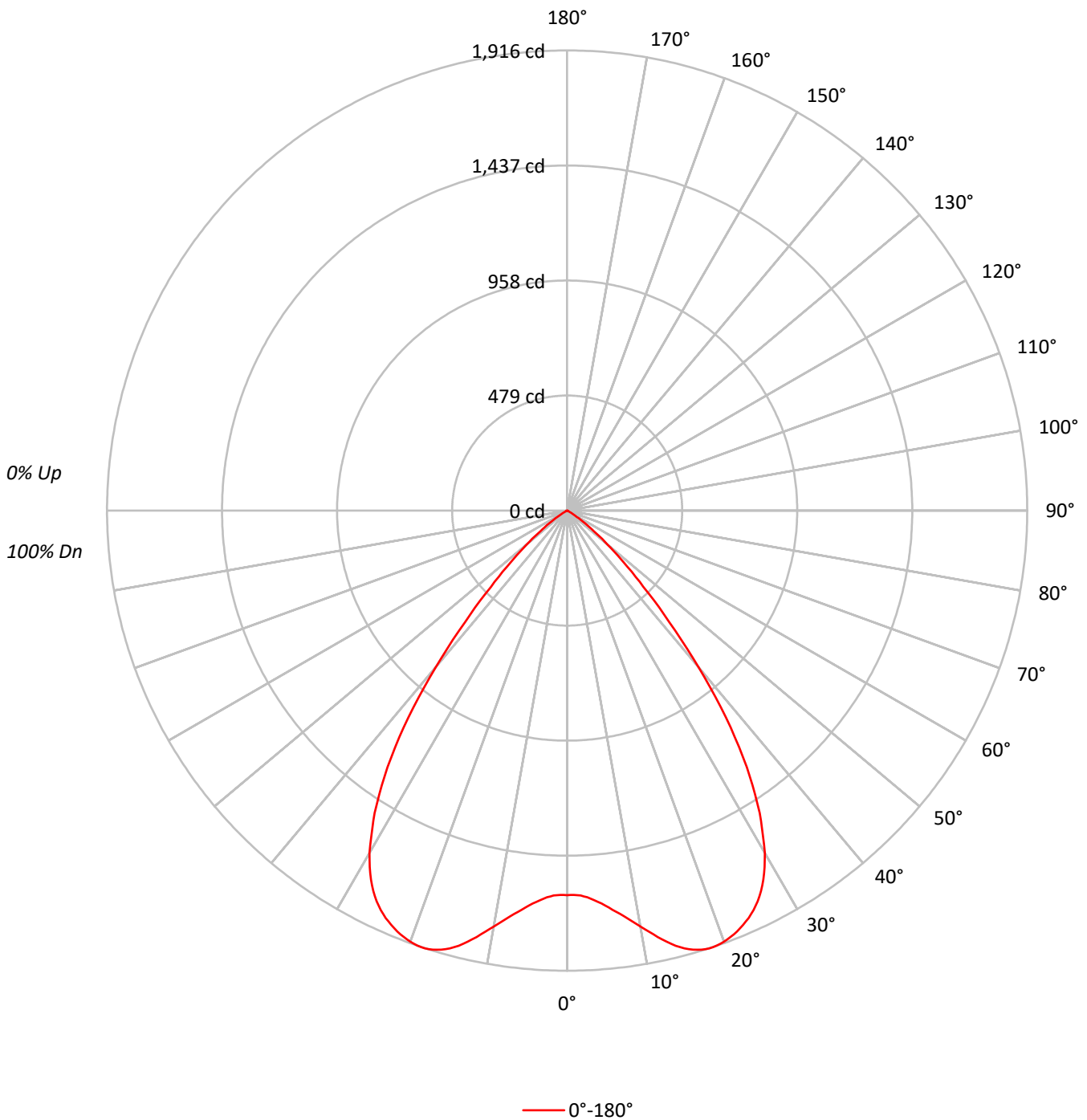
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77					77			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70					70			
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58					58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54					54			
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49					49			
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45					45			
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49378
5°	50839
10°	55075
15°	60257
20°	62690
25°	62461
30°	58587
35°	49129
40°	34204
45°	19589
50°	10520
55°	4339
60°	1079
65°	277
70°	135
75°	95
80°	142
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.6	5.8
10°-20°	532.0	19.1
20°-30°	837.1	30.1
30°-40°	796.2	28.6
40°-50°	367.1	13.2
50°-60°	83.4	3.0
60°-70°	5.5	0.2
70°-80°	1.1	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°	1529.6	55.0
0°-40°	2325.8	83.6
0°-60°	2776.3	99.8
0°-90°	2783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2783.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1601	
5°	1642	161
15°	1888	532
25°	1836	837
35°	1305	796
45°	449	367
55°	81	83
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1601.3
1°	1600.5
2°	1603.5
3°	1612.7
4°	1626.4
5°	1642.4
6°	1662.2
7°	1683.5
8°	1705.6
9°	1731.5
10°	1758.9
11°	1786.3
12°	1815.2
13°	1842.6
14°	1867.7
15°	1887.5
16°	1902.0
17°	1911.9
18°	1916.5
19°	1915.7
20°	1910.4
21°	1901.2
22°	1889.8
23°	1874.6
24°	1857.1
25°	1835.8
26°	1810.6
27°	1778.7
28°	1740.6
29°	1696.4
30°	1645.4
32.5°	1492.4
35°	1305.1
37.5°	1087.3
40°	849.7
42.5°	628.2
45°	449.2
47.5°	318.3
50°	219.3
52.5°	140.1
55°	80.7
57.5°	40.4
60°	17.5
62.5°	6.9
65°	3.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.3
70°	1.5
72.5°	1.5
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)