

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: P244503

Luminaire Tested: **LSR8B30D010 EC8B30950 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30950 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3127.0 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

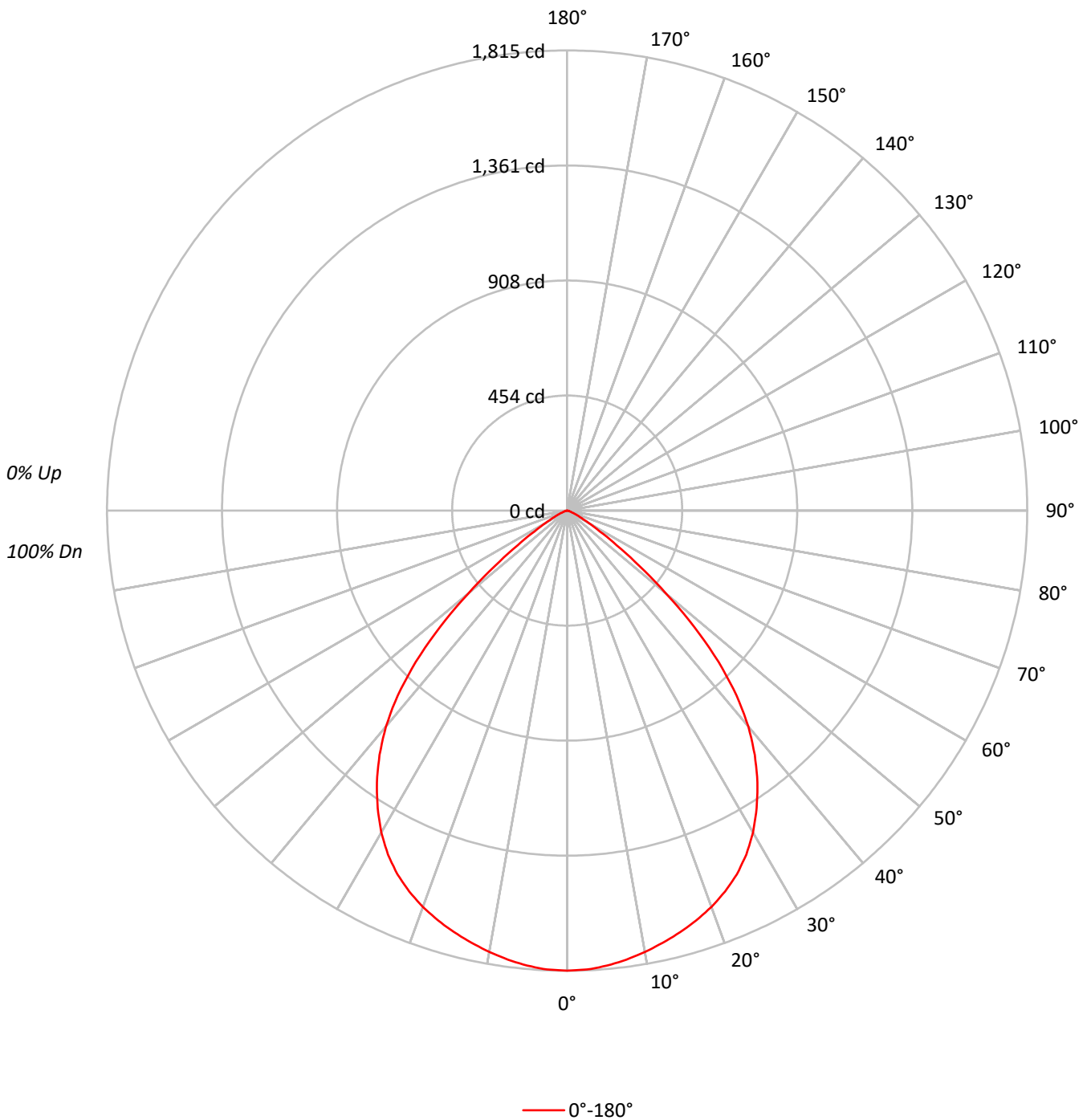
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55959
5°	55773
10°	55350
15°	54961
20°	54588
25°	53867
30°	52203
35°	49257
40°	44762
45°	36832
50°	24552
55°	12790
60°	6025
65°	3159
70°	1578
75°	1096
80°	817
85°	637



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.9	5.5
10°-20°	485.9	15.5
20°-30°	726.9	23.2
30°-40°	813.0	26.0
40°-50°	637.8	20.4
50°-60°	232.7	7.4
60°-70°	47.4	1.5
70°-80°	10.2	0.3
80°-90°	2.1	0.1
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°	1383.7	44.3
0°-40°	2196.7	70.3
0°-60°	3067.2	98.1
0°-90°	3127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1815	
5°	1802	171
15°	1722	486
25°	1583	727
35°	1308	813
45°	845	638
55°	238	233
65°	43	47
75°	9	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1814.7
2.5°	1811.9
5°	1801.8
7.5°	1787.0
10°	1767.7
12.5°	1745.5
15°	1721.6
17.5°	1694.8
20°	1663.5
22.5°	1626.6
25°	1583.2
27.5°	1529.8
30°	1466.1
32.5°	1391.4
35°	1308.5
37.5°	1215.3
40°	1112.0
42.5°	989.4
45°	844.6
47.5°	681.4
50°	511.8
52.5°	358.7
55°	237.9
57.5°	152.1
60°	97.7
62.5°	64.5
65°	43.3
67.5°	27.7
70°	17.5
72.5°	12.0
75°	9.2
77.5°	6.5
80°	4.6
82.5°	2.8
85°	1.8
87.5°	0.9
90°	0.0

(END OF REPORT)