

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: P244498

Luminaire Tested: **LSR8B40D010 EC8B40940 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244498
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: LSR8B40D010 EC8B40940 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4296.0 lumens
Efficiency: N/A
Efficacy: 105.0 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

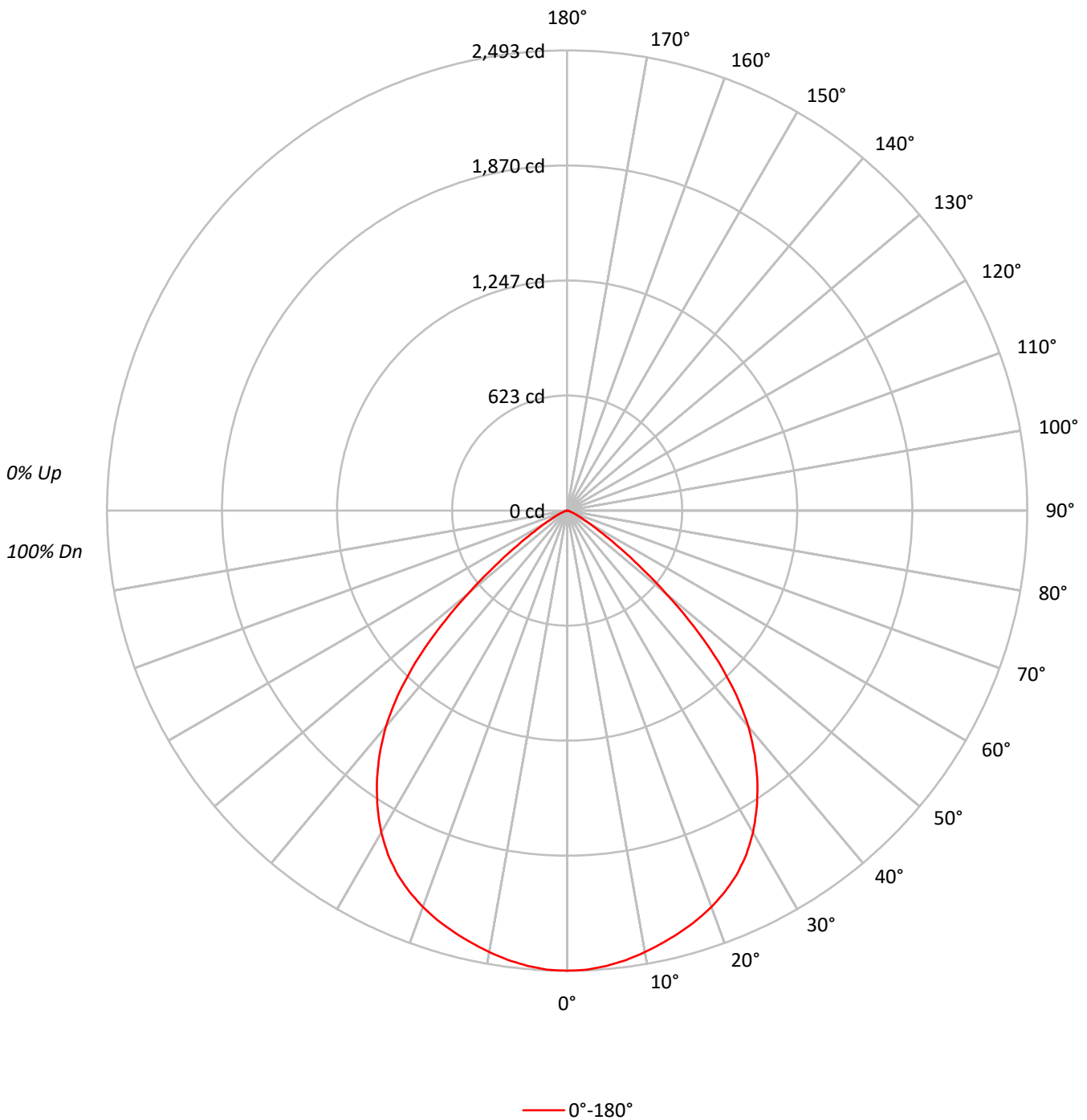
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	76878
5°	76621
10°	76041
15°	75504
20°	74993
25°	74006
30°	71719
35°	67669
40°	61500
45°	50604
50°	33730
55°	17569
60°	8283
65°	4341
70°	2173
75°	1513
80°	1119
85°	885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	5.5
10°-20°	667.5	15.5
20°-30°	998.6	23.2
30°-40°	1117.0	26.0
40°-50°	876.3	20.4
50°-60°	319.7	7.4
60°-70°	65.2	1.5
70°-80°	14.0	0.3
80°-90°	2.9	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°	1900.9	44.2
0°-40°	3017.9	70.2
0°-60°	4213.9	98.1
0°-90°	4296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2493	
5°	2475	235
15°	2365	668
25°	2175	999
35°	1798	1117
45°	1160	876
55°	327	320
65°	60	65
75°	13	14
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2493.1
2.5°	2489.3
5°	2475.3
7.5°	2455.1
10°	2428.5
12.5°	2398.1
15°	2365.1
17.5°	2328.4
20°	2285.3
22.5°	2234.7
25°	2175.1
27.5°	2101.6
30°	2014.2
32.5°	1911.6
35°	1797.6
37.5°	1669.7
40°	1527.8
42.5°	1359.3
45°	1160.4
47.5°	936.2
50°	703.1
52.5°	492.8
55°	326.8
57.5°	209.0
60°	134.3
62.5°	88.7
65°	59.5
67.5°	38.0
70°	24.1
72.5°	16.5
75°	12.7
77.5°	8.9
80°	6.3
82.5°	3.8
85°	2.5
87.5°	1.3
90°	0.0

(END OF REPORT)